

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO. 0317MH-23513C

In re Application of:

DANIEL A. HENDERSON

Examiner: BARNIE, R.

Serial No. 09/477,167

Filed: 4 JANUARY 2000

Art Unit: 2743

For: METHOD AND APPARATUS FOR IMPROVED PAGING RECEIVER AND  
SYSTEM

**RESPONSE**

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Sir:

In response to the Office Action mailed 6 July 2000, applicant submits the following remarks. Please charge any necessary fees for prosecution of this Application to Deposit Account No. 50-1060. Any required extension of time is hereby requested. Please charge any necessary fees to Deposit Account No. 50-1060. A Petition for Extension-Two Month and a check in the amount of \$195.00 is enclosed herewith.

CERTIFICATE OF MAILING

37 CFR § 1.8(a)

I hereby certify that this paper or fee is being deposited with the United States Postal Service as First Class Mail, service under 37 C.F.R. § 1.8(a) on the date indicated below and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Date of Deposit: 6 Dec 2000 By: [Signature]

current application. For example, the detailed description beginning on Page 2 of the Provisional Application, and ending near the top of Page 33, corresponds to pages 8 through 60 of the present application. This section of the specification describes in detail the technology behind the currently pending claims.

In addition, both the original application, beginning at Page 33, and the claims of the direct parent application to which the present application is a continuation, contain claims directed to the features set forth in the current claims. For example, Claim 7 of the Provisional Application is directed to a paging system which receives an incoming call having Caller I.D., after the call is completed, dials the paging system, transmits the received Caller I.D. information to the paging system, and forwards the caller I.D. information through the paging system to the paging device. Claim 10 of the parent application filed on October 4, 1996 includes this same system.

Thus, support for the present claims is completely contained within the priority document dated October 6, 1995 nearly a year before the filing date of the Jedlicka application. The Jedlicka patent is not available as prior art against the present application, and the rejection based on Jedlicka should be withdrawn. In a similar manner, the rejection over Karnowski Patent 5,907,596 is improper and should be withdrawn. Karnowski has a priority date of February 15, 1996, which comes after the present application's priority date of October 6, 1995. Karnowski is therefore not available as a reference against the present application, and the rejection based on Karnowski should be withdrawn.

The Duncan patent 5,502,761 has a priority date of 24 March 1994. This is later than the January 1994 priority date for the original ancestor application. As described below, all of the teachings of Duncan are contained in the original application filed in January 1994, without needing to include disclosure provided by the provisional application of October 1995. Because of this, for the subject matter shown in Duncan, the present application has a priority date of January 1994, which predates the Duncan patent. Thus, the Duncan reference has been removed as a reference and cannot be applied as prior art against the present application.

The Duncan patent is actually directed to a different invention than is currently claimed in the present application, and was claimed in the Jedlicka patent. Among other things, Duncan teaches a system in which the caller determines whether or not to forward information to the pager. In contrast, the present claims call for the system to dial a paging system "without caller interaction," as provided for in each of the independent claims of the present application. Note that these same features are provided in all of the claims of the Jedlicka. Thus, the rejection of the present claims over Duncan is improper.

Duncan was cited of reference during prosecution of the Jedlicka patent, and appears listed on the front page of Jedlicka. This indicates that the patent office has previously held the claims of the Jedlicka patent to be distinct over the Duncan reference.

In addition, as described above, the priority date of Duncan comes after the priority date of January 1994 for the material included as a continuation-in-part for the present application. The text of the original application filed in January 1994 is included in

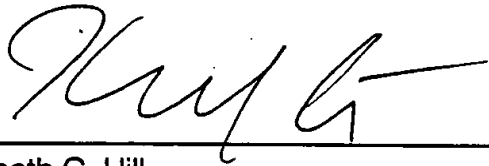
its entirety in the present application at pages 60 through 82. The figure numbers have been changed to take into account the additional figures included in the present application which were derived from the provisional application discussed above.

Figures 13, 14, and 21 of the present application correspond exactly to Figures 3, 4, and 11 of the January 1994 application. These figures, and the accompanying description, provide support for the present claims independent from the provisional application upon which the present application claims priority. Thus, Applicant is entitled to a priority date of January 1994 for these claims, which removes Duncan as a reference against the present application. The rejection of claims based upon Duncan should therefore be withdrawn.

In summary, the provisional application gives a priority date of October 1995 for much of the technical material included in the present application. In particular, the provisional application alone is sufficient to support the currently pending claims, and applicant is entitled to a priority date of October 1995 in support of these claims based upon the provisional. In addition, the precursor application of which the present application is a continuation in part, and having a priority date of January 1994, also supports the present claims without reference to the additional material added by the provisional application. Thus, applicant is entitled to a January 1994 priority date as against the references, and in particular, Duncan. Because applicant's priority dates are earlier than the earliest priority date of the cited applications, the three references cited against the claims are not valid prior art references.

For the reasons described above, none of the three patents cited in the Office Action against the present application are valid as prior art against the present application and claims. Thus, the rejections of the claims under Section 102 are improper, and should be withdrawn. In addition, Applicant has provided a set of claims identical to those issued in the Jedlicka patent, and believes that an interference should be declared with the Jedlicka patent in which Applicant is the senior party.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'K. Hill', is written over a horizontal line.

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ATTORNEY DOCKET NO. 0317MH-23513C

9/C  
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3/30/02

In re Application of:

**DANIEL A. HENDERSON**

Examiner: **BARNIE, R.**

Serial No. **09/477,167**

Filed: **4 JANUARY 2000**

Art Unit: **2743**

For: **METHOD AND APPARATUS FOR IMPROVED PAGING RECEIVER AND SYSTEM**

**RESPONSE**

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Sir:

This is a response to the Office Action mailed 15 August 2001. Please charge any necessary fees for prosecution of this Application, which are not covered by the enclosed check(s) to Deposit Account No. 50-1060. Any required extension of time is hereby requested. Please charge any necessary fees for any extensions of time, which are not covered by the enclosed check(s) to Deposit Account No. 50-1060. Please cancel Claims 30-39 and add new Claims 40-269 to be submitted later.

**CERTIFICATE OF MAILING**  
**37 CFR § 1.8(a)**

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Date of Deposit: 15 Feb 2002  
By:

*Melanie*

1 19. (AMENDED ONCE) A method for use in a telephone network and a paging  
2 system in order to establish communication between a page-originating  
3 communicant and a page-receiving communicant, said method comprising:

4  
5  
6 initiating communication between a page-originating communicant and a page-  
7 receiving communicant over a telephone network;

8  
9 [receiving from a telephone network an incoming calling line identification  
10 (ICLID)] transmitting to said paging system caller identification information  
11 associated with a call placed by [a caller;] said page-originating communicant from  
12 said telephone network, without requiring entry of said caller-identification  
13 information by said page-originating communicant;

14  
15 [dialing without caller interaction a directory number of a paging system;]

16 [transmitting said received ICLID to said paging system; and]

17 said paging system transmitting said [ICLID] caller identification information to a  
18 paging device, thereby establishing communication between said page-originating  
19 communicant and said page-receiving communicant.

1 20. **(AMENDED ONCE)** In accordance with claim 19 wherein a code is transmitted to  
2 said paging system with said **[a ICLID] caller identification information**.

3 21. **(AMENDED ONCE)** A method in accordance with claim 19 wherein **[said]** a code  
4 is transmitted before said **caller identification information [ICLID]**.

5 22. **(AMENDED ONCE)** A method in accordance with claim 20 wherein said code is  
6 transmitted after said **[ICLID] caller identification information**.

7 23. **(AMENDED ONCE)** A method in accordance with claim 19 wherein, after  
8 **transmitting said caller identification information [dialing said directory number**  
9 **of] ~~to~~** said paging system, a personal identification code is transmitted.

10



1 24. (AMENDED ONCE) A [customer premises apparatus] wireless information  
2 communication system connected to a[n analog] telephone line,  
3 which establishes communication between a page-originating communicant and  
4 a page-receiving communicant, said [apparatus] system comprising:

5 [means] a decoder for receiving from a telephone network caller identification  
6 information and a memory buffer for storing [an incoming calling line] said caller  
7 identification information [(ICLID)] associated with a call placed by a [caller] page-  
8 originating communicant;

9 [means for] a receiver that receives a paging request over said telephone  
10 network from said page-originating communicant [dialing without caller  
11 interaction a directory number of a paging system]; and

12 [means] a transmitter for causing a [said] paging system to transmit said  
13 [(ICLID) caller identification information] to a paging device identified to a page-  
14 receiving communicant.

1 25. (AMENDED ONCE) A[n apparatus] system in accordance with claim 24  
2 wherein said [means] decoder for receiving [and storing said ICLID] caller  
3 identification information comprises a frequency shift key decoder [, and a memory  
4 means] .

5 26. (AMENDED ONCE) A[n apparatus] system in accordance with claim 24 wherein  
6 said transmitter is directly connected to said receiver [means for dialing  
7 comprises a dual-tone, multi-frequency (DTMF) generator] .

8 27. (AMENDED ONCE) A[n apparatus] system in accordance with claim 24  
9 wherein said [means for causing said apparatus] transmitter to transmit comprises  
10 means for retrieving said ICLID from said means for receiving and storing said ICLID  
11 and sending said ICLID through a DTMF generator.

12 28. (AMENDED ONCE) A[n apparatus] system in accordance with claim 24 further  
13 including an automated checking routine [means for detecting signaling on] that  
14 receives said caller identification information from said telephone line to coordinate  
15 operation of said [means for dialing and said means] transmitter for causing  
16 transmission of said caller identification information [ICLID] to said [paging system]  
17 page-receiving communicant.

18 29. (AMENDED ONCE) A[n apparatus] system in accordance with claim 24 further  
19 including a switch hook [means] for connecting said [apparatus] system to said  
20 telephone line.

21

- 1 30. (CANCELLED)
- 2 31. (CANCELLED)
- 3 32. (CANCELLED)
- 4 33. (CANCELLED)
- 5 34. (CANCELLED)
- 6 35. (CANCELLED)
- 7 36. (CANCELLED)
- 8 37. (CANCELLED)
- 9 38. (CANCELLED)
- 10 39. (CANCELLED)
- 11

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of:

DANIEL A. HENDERSON

Examiner: BARNIE, R.

Serial No. 09/477,167

Filed: 4 JANUARY 2000

Art Unit: 2743

For: METHOD AND APPARATUS FOR IMPROVED PAGING RECEIVER AND  
SYSTEM

CLEAN CLAIMS

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Sir:

Applicant hereby submits the following clean claims for the above-referenced application.

CERTIFICATE OF MAILING 37 CFR § 1.8(a)	
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Date of Deposit: <u>4/30/02</u>	By: <u>Jessie D. Hesth</u>

40. **(NEW)** A method for use in a telephone network and a wireless communication system in order to establish communication between a message-originating communicant and a message-receiving communicant, said method comprising:

initiating communication between a message-originating communicant and a message-receiving communicant over a telephone network;

transmitting to said wireless communication system caller identification information associated with a call placed by said message-originating communicant from said telephone network, without requiring entry of said caller-identification information by said message-originating communicant;

said wireless communication system transmitting said caller identification information to a paging device, thereby establishing communication between said message-originating communicant and said message-receiving communicant.

41. **(NEW)** A method according to claim 40, wherein said wireless communication system utilizes at least one of the following for wireless communication:

(1) a radio frequency communication link;

(2) a cellular communication link;

(3) a paging service communication link.

42. **(NEW)** A method according to claim 40, wherein said wireless communication system is utilized to send either one of:

- (1) additional information instead of said caller-identification information;
- (2) additional information along with said caller-identification information.

43. **(NEW)** A method according to claim 42, wherein said additional information comprises at least one of the following:

- (1) a short message;
- (2) textual information;
- (3) digitized voice or audio information;
- (4) digitized image information;
- (5) telephone number information;
- (6) message code information.

44. **(NEW)** A method according to claim 40 wherein said paging device communicates with another device, which maintains a database, over a communication link which may be selectively and releasably coupled to one another over at least one of the following:

- (1) a serial line;
- (2) a parallel line;
- (3) an infrared link;
- (4) a radio frequency link;
- (5) a PCMCIA interface;
- (6) a remote telephone input;
- (7) a data card.

45. **(NEW)** A method according to claim 44, wherein said other device comprises at least one of:

- (1) a personal computer;
- (2) a computing device;
- (3) a detachable input interface;
- (4) a keyboard.

46. **(NEW)** A method according to claim 44 wherein said paging device and said other device interact to perform at least one of the following:

- (1) refresh data;
- (2) transfer data;
- (3) download data;
- (4) exchange data;
- (5) dump data;
- (6) communicate data between said devices;
- (7) intermittently transfer data between said devices;
- (8) intermittently download data between said devices;
- (9) create, supplement, or modify data.



47. **(NEW)** A method according to claim 44 wherein said database includes data which comprises at least one of:

(1) telephone number data;

(2) fax number data;

(3) name data;

(4) address data;

(5) notification type data;

(6) intensity field data;

(7) communicant's telephone number data;

(8) visual indication data;

(9) digitized image data;

(10) digitized audio data;

(11) digitized voice information.

48. **(NEW)** A method according to claim 40, further comprising;

utilizing an automated checking routine to formulate a textual or voice query to communicate to said message-originating communicant at least one of the telephone number and/or the entity identity contained in said caller-identification information.

49. **(NEW)** A method according to claim 48, wherein said automated checking routine further includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is correct.
50. **(NEW)** A method according to claim 49 wherein said confirmation is the depression of a specific telephone keypad key.
51. **(NEW)** A method according to claim 49 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.
52. **(NEW)** A method according to claim 51 wherein said confirmation is the depression of a specific telephone keypad key.
53. **(NEW)** A method according to claim 52 wherein upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is incorrect, allowing the entry of corrected telephone number information.
54. **(NEW)** A method according to claim 49 wherein said caller identification information is transmitted by said transmitter upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is correct.
55. **(NEW)** A method according to claim 40 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has hung up from said telephone network.

56. **(NEW)** A method according to claim 53 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has entered said corrected telephone number information.

57. **(NEW)** A method according to claim 52 wherein said message-originating communicant confirms that said caller identification information displayed or annunciated is incorrect by the depression of the "2" key on the telephone keypad.

58. **(NEW)** A method according to claim 50 wherein said message-originating communicant confirms that said caller identification information displayed or annunciated is correct by the depression of the "1" key on the telephone keypad.

59. **(NEW)** A method according to claim 48 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

60. **(NEW)** A wireless information communication system connected to a telephone line, which establishes communication between a message-originating communicant and a message-receiving communicant, said system comprising:

a decoder for receiving caller identification information from a telephone network and a memory buffer for storing said caller identification information associated with a call placed by a message-originating communicant;

a receiver that receives a paging request over said telephone network from said message-originating communicant; and

a transmitter for causing said wireless information communication system to transmit said caller identification information stored in said memory buffer to a paging device identified to a message-receiving communicant.

61. **(NEW)** A wireless information communication system according to claim 60 wherein said wireless information communication system utilizes at least one of the following for wireless communication:

(1) a radio frequency communication link;

(2) a cellular communication link;

(3) a paging service communication link.

62. **(NEW)** A wireless information communication system according to claim 60, wherein said wireless information communication system is utilized to send either one of:

- (1) additional information instead of said caller-identification information;
- (2) additional information along with said caller-identification information.

63. **(NEW)** A wireless information communication system according to claim 62, wherein said additional information comprises at least one of the following:

- (1) a short message;
- (2) textual information;
- (3) digitized voice or audio information;
- (4) digitized image information;
- (5) telephone number information;
- (6) message code information.

64. **(NEW)** A wireless information communication system according to claim 60 wherein said paging device communicates with another device, which maintains a database, over a communication link which may be selectively and releasably coupled to one another over at least one of the following:

- (1) a serial line;
- (2) a parallel line;
- (3) an infrared link;
- (4) a radio frequency link;
- (5) a PCMCIA interface;
- (6) a remote telephone input;
- (7) a data card.

65. **(NEW)** A wireless information communication system according to claim 64, wherein said other device comprises at least one of:

- (1) a personal computer;
- (2) a computing device;
- (3) a detachable input interface;
- (4) a keyboard.

66. **(NEW)** A wireless information communication system according to claim 64 wherein said paging device and said other device interact to perform at least one of the following:

(1) refresh data;

(2) transfer data;

(3) download data;

(4) exchange data;

(5) dump data;

(6) communicate data between said devices;

(7) intermittently transfer data between said devices;

(8) intermittently download data between said devices;

(9) create, supplement, or modify data.

67. **(NEW)** A wireless information communication system according to claim 64 wherein said database includes data which comprises at least one of:

- (1) telephone number data;
- (2) fax number data;
- (3) name data;
- (4) address data;
- (5) notification type data;
- (6) intensity field data;
- (7) communicant's telephone number data;
- (8) visual indication data;
- (9) digitized image data;
- (10) digitized audio data;
- (11) digitized voice information.

68. **(NEW)** A wireless information communication system according to claim 60, further comprising;

utilizing an automated checking routine to formulate a textual or voice query to communicate to said message-originating communicant at least one of the telephone number and/or the entity identity contained in said caller-identification information.



69. **(NEW)** A wireless information communication system according to claim 68, wherein said automated checking routine further includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is correct.

70. **(NEW)** A wireless information communication system according to claim 69 wherein said confirmation by said message-originating communicant is the depression of a specific telephone keypad key.

71. **(NEW)** A wireless information communication system according to claim 68 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

72. **(NEW)** A wireless information communication system according to claim 51 wherein said confirmation by said message-originating communicant is the depression of a specific telephone keypad key.

73. **(NEW)** A wireless information communication system according to claim 72 wherein upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is incorrect, allowing the entry of corrected telephone number information by a telephone keypad.

74. **(NEW)** A wireless information communication system according to claim 72 wherein said caller identification information is transmitted by said transmitter upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is correct.

75. **(NEW)** A wireless information communication system according to claim 60 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has hung up from said telephone network.

76. **(NEW)** A wireless information communication system according to claim 73 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has entered said corrected telephone number information.

77. **(NEW)** A wireless information communication system according to claim 71 wherein message-originating communicant confirms that said caller identification information displayed or annunciated is incorrect by the depression of the "2" key on the telephone keypad.

78. **(NEW)** A wireless information communication system according to claim 70 wherein said said message-originating communicant confirms that said caller identification information displayed or annunciated is correct by the depression of the "1" key on the telephone keypad.

79. **(NEW)** A wireless information communication system according to claim 69 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

80. **(NEW)** A method for use in a telephone network and a wireless communication system in order to establish communication between a message-originating communicant and a message-receiving communicant, said method comprising:

initiating communication between a message-originating communicant and a message-receiving communicant over a telephone network;

transmitting to said wireless communication system caller identification information associated with a call placed by said message-originating communicant from said telephone network, without requiring entry of said caller-identification information by said message-originating communicant;

said wireless communication system transmitting said caller identification information to a personal communication device, thereby establishing communication between said message-originating communicant and said message-receiving communicant.

81. **(NEW)** A method according to claim 80, wherein said wireless communication system utilizes at least one of the following for wireless communication:

(1) a radio frequency communication link;

(2) a cellular communication link;

(3) a paging service communication link.

82. **(NEW)** A method according to claim 80, wherein said wireless communication system is utilized to send either one of:

(1) additional information instead of said caller-identification information;

(2) additional information along with said caller-identification information.

83. **(NEW)** A method according to claim 80, wherein said additional information comprises at least one of the following:

(1) a short message;

(2) textual information;

(3) digitized voice or audio information;

(4) digitized image information;

(5) telephone number information;

(6) message code information.

84. **(NEW)** A method according to claim 84 wherein said paging device communicates with another device, which maintains a database, over a communication link which may be selectively and releasably coupled to one another over at least one of the following:

- (1) a serial line;
- (2) a parallel line;
- (3) an infrared link;
- (4) a radio frequency link;
- (5) a PCMCIA interface;
- (6) a remote telephone input;
- (7) a data card.

85. **(NEW)** A method according to claim 84, wherein said other device comprises at least one of:

- (1) a personal computer;
- (2) a computing device;
- (3) a detachable input interface;
- (4) a keyboard.

86. **(NEW)** A method according to claim 84 wherein said paging device and said other device interact to perform at least one of the following:

- (1) refresh data;
- (2) transfer data;
- (3) download data;
- (4) exchange data;
- (5) dump data;
- (6) communicate data between said devices;
- (7) intermittently transfer data between said devices;
- (8) intermittently download data between said devices;
- (9) create, supplement, or modify data.

87. **(NEW)** A method according to claim 84 wherein said database includes data which comprises at least one of:

- (1) telephone number data;
- (2) fax number data;
- (3) name data;
- (4) address data;
- (5) notification type data;
- (6) intensity field data;
- (7) communicant's telephone number data;
- (8) visual indication data;
- (9) digitized image data;
- (10) digitized audio data;
- (11) digitized voice information.

88. **(NEW)** A method according to claim 80, further comprising;

utilizing an automated checking routine to formulate a textual or voice query to communicate to said message-originating communicant at least one of the telephone number and/or the entity identity contained in said caller-identification information.

89. **(NEW)** A method according to claim 80, wherein said automated checking routine further includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is correct.

90. **(NEW)** A method according to claim 89 wherein said confirmation is the depression of a specific telephone keypad key.

91. **(NEW)** A method according to claim 89 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

92. **(NEW)** A method according to claim 91 wherein said confirmation is the depression of a specific telephone keypad key.

93. **(NEW)** A method according to claim 92 wherein upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is incorrect, allowing the entry of corrected telephone number information.

94. **(NEW)** A method according to claim 89 wherein said caller identification information is transmitted by said transmitter upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is correct.

95. **(NEW)** A method according to claim 80 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has hung up from said telephone network.



96. **(NEW)** A method according to claim 93 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has entered said corrected telephone number information.

97. **(NEW)** A method according to claim 92 wherein said message-originating communicant confirms that said caller identification information displayed or annunciated is incorrect by the depression of the "2" key on the telephone keypad.

98. **(NEW)** A method according to claim 90 wherein said message-originating communicant confirms that said caller identification information displayed or annunciated is correct by the depression of the "1" key on the telephone keypad.

99. **(NEW)** A method according to claim 88 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

100. **(NEW)** A wireless information communication system connected to a telephone line, which establishes communication between a message-originating communicant and a message-receiving communicant, said system comprising:

a decoder for receiving from a telephone network caller identification information and a memory buffer for storing said caller identification information associated with a call placed by a message-originating communicant;

a receiver that receives a paging request over said telephone network from said message-originating; and

a transmitter for causing a wireless communication system to transmit said caller identification information to a wireless communication device identified to a message-receiving communicant.

101. **(NEW)** A wireless information communication system according to claim 100 wherein said wireless information communication system utilizes at least one of the following for wireless communication:

(1) a radio frequency communication link;

(2) a cellular communication link;

(3) a paging service communication link.

102. **(NEW)** A wireless information communication system according to claim 100, wherein said wireless information communication system is utilized to send either one of:

- (1) additional information instead of said caller-identification information;
- (2) additional information along with said caller-identification information.

103. **(NEW)** A wireless information communication system according to claim 102, wherein said additional information comprises at least one of the following:

- (1) a short message;
- (2) textual information;
- (3) digitized voice or audio information;
- (4) digitized image information;
- (5) telephone number information;
- (6) message code information.

104. **(NEW)** A wireless information communication system according to claim 100 wherein said paging device communicates with another device, which maintains a database, over a communication link which may be selectively and releasably coupled to one another over at least one of the following:

- (1) a serial line;
- (2) a parallel line;
- (3) an infrared link;
- (4) a radio frequency link;
- (5) a PCMCIA interface;
- (6) a remote telephone input;
- (7) a data card.

105. **(NEW)** A wireless information communication system according to claim 104, wherein said other device comprises at least one of:

- (1) a personal computer;
- (2) a computing device;
- (3) a detachable input interface;
- (4) a keyboard.

106. **(NEW)** A wireless information communication system according to claim 104 wherein said paging device and said other device interact to perform at least one of the following:

(1) refresh data;

(2) transfer data;

(3) download data;

(4) exchange data;

(5) dump data;

(6) communicate data between said devices;

(7) intermittently transfer data between said devices;

(8) intermittently download data between said devices;

(9) create, supplement, or modify data.

107. **(NEW)** A wireless information communication system according to claim 104 wherein said database includes data which comprises at least one of:

- (1) telephone number data;
- (2) fax number data;
- (3) name data;
- (4) address data;
- (5) notification type data;
- (6) intensity field data;
- (7) communicant's telephone number data;
- (8) visual indication data;
- (9) digitized image data;
- (10) digitized audio data;
- (11) digitized voice information.

108. **(NEW)** A wireless information communication system according to claim 100, further comprising;

utilizing an automated checking routine to formulate a textual or voice query to communicate to said message-originating communicant at least one of the telephone number and/or the entity identity contained in said caller-identification information.

109. **(NEW)** A wireless information communication system according to claim 108, wherein said automated checking routine further includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is correct.

110. **(NEW)** A wireless information communication system according to claim 109 wherein said confirmation by said message-originating communicant is the depression of a specific telephone keypad key.

111. **(NEW)** A wireless information communication system according to claim 108 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

112. **(NEW)** A wireless information communication system according to claim 111 wherein said confirmation by said message-originating communicant is the depression of a specific telephone keypad key.

113. **(NEW)** A wireless information communication system according to claim 112 wherein upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is incorrect, allowing the entry of corrected telephone number information by a telephone keypad.

114. **(NEW)** A wireless information communication system according to claim 112 wherein said caller identification information is transmitted by said transmitter upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is correct.

115. **(NEW)** A wireless information communication system according to claim 100 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has hung up from said telephone network.

116. **(NEW)** A wireless information communication system according to claim 113 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has entered said corrected telephone number information.

117. **(NEW)** A wireless information communication system according to claim 111 wherein message-originating communicant confirms that said caller identification information displayed or annunciated is incorrect by the depression of the "2" key on the telephone keypad.

118. **(NEW)** A wireless information communication system according to claim 110 wherein said said message-originating communicant confirms that said caller identification information displayed or annunciated is correct by the depression of the "1" key on the telephone keypad.

119. **(NEW)** A wireless information communication system according to claim 109 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.



120. **(NEW)** A method for use in a telephone network and a wireless communication system in order to establish communication between a message-originating communicant and a message-receiving communicant, said method comprising:

initiating communication between a message-originating communicant and a page-receiving communicant over a telephone network;

transmitting to said paging system caller identification information associated with a call placed by said message-originating communicant from said telephone network, without requiring entry of said caller-identification information by said message-originating communicant;

said wireless communication system transmitting said caller identification information to a personal digital assistant, thereby establishing communication between said message-originating communicant and said message -receiving communicant.

121. **(NEW)** A method according to claim 120, wherein said wireless communication system utilizes at least one of the following for wireless communication:

(1) a radio frequency communication link;

(2) a cellular communication link;

(3) a paging service communication link.

122. **(NEW)** A method according to claim 120, wherein said wireless communication system is utilized to send either one of:

- (1) additional information instead of said caller-identification information;
- (2) additional information along with said caller-identification information.

123. **(NEW)** A method according to claim 122, wherein said additional information comprises at least one of the following:

- (1) a short message;
- (2) textual information;
- (3) digitized voice or audio information;
- (4) digitized image information;
- (5) telephone number information;
- (6) message code information.

124. **(NEW)** A method according to claim 120 wherein said paging device communicates with another device, which maintains a database, over a communication link which may be selectively and releasably coupled to one another over at least one of the following:

- (1) a serial line;
- (2) a parallel line;
- (3) an infrared link;
- (4) a radio frequency link;
- (5) a PCMCIA interface;
- (6) a remote telephone input;
- (7) a data card.

125. **(NEW)** A method according to claim 124, wherein said other device comprises at least one of:

- (1) a personal computer;
- (2) a computing device;
- (3) a detachable input interface;
- (4) a keyboard.

126. **(NEW)** A method according to claim 124 wherein said paging device and said other device interact to perform at least one of the following:

- (1) refresh data;
- (2) transfer data;
- (3) download data;
- (4) exchange data;
- (5) dump data;
- (6) communicate data between said devices;
- (7) intermittently transfer data between said devices;
- (8) intermittently download data between said devices;
- (9) create, supplement, or modify data.

127. **(NEW)** A method according to claim 124 wherein said database includes data which comprises at least one of:

- (1) telephone number data;
- (2) fax number data;
- (3) name data;
- (4) address data;
- (5) notification type data;
- (6) intensity field data;
- (7) communicant's telephone number data;
- (8) visual indication data;
- (9) digitized image data;
- (10) digitized audio data;
- (11) digitized voice information.

128. **(NEW)** A method according to claim 120, further comprising;

utilizing an automated checking routine to formulate a textual or voice query to communicate to said message-originating communicant at least one of the telephone number. and/or the entity identity contained in said caller-identification information.

129. **(NEW)** A method according to claim 128, wherein said automated checking routine further includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is correct.

130. **(NEW)** A method according to claim 129 wherein said confirmation is the depression of a specific telephone keypad key.

131. **(NEW)** A method according to claim 129 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

132. **(NEW)** A method according to claim 131 wherein said confirmation is the depression of a specific telephone keypad key.

133. **(NEW)** A method according to claim 132 wherein upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is incorrect, allowing the entry of corrected telephone number information.

134. **(NEW)** A method according to claim 129 wherein said caller identification information is transmitted by said transmitter upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is correct.

135. **(NEW)** A method according to claim 120 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has hung up from said telephone network.

136. **(NEW)** A method according to claim 133 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has entered said corrected telephone number information.

137. **(NEW)** A method according to claim 132 wherein said message-originating communicant confirms that said caller identification information displayed or annunciated is incorrect by the depression of the "2" key on the telephone keypad.

138. **(NEW)** A method according to claim 130 wherein said message-originating communicant confirms that said caller identification information displayed or annunciated is correct by the depression of the "1" key on the telephone keypad.

139. **(NEW)** A method according to claim 128 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

140. **(NEW)** A wireless information communication system connected to a telephone line, which establishes communication between a message-originating communicant and a message-receiving communicant, said system comprising:

a decoder for receiving from a telephone network caller identification information and a memory buffer for storing said caller identification information associated with a call placed by a message-originating communicant;

a receiver that receives a paging request over said telephone network from said message-originating communicant; and

a transmitter for causing said wireless information communication system to transmit said caller identification information to a personal digital assistant identified to said message-receiving communicant.

141. **(NEW)** A wireless information communication system according to claim 140 wherein said wireless information communication system utilizes at least one of the following for wireless communication:

(1) a radio frequency communication link;

(2) a cellular communication link;

(3) a paging service communication link.



142. **(NEW)** A wireless information communication system according to claim 140, wherein said wireless information communication system is utilized to send either one of:

- (1) additional information instead of said caller-identification information;
- (2) additional information along with said caller-identification information.

143. **(NEW)** A wireless information communication system according to claim 142, wherein said additional information comprises at least one of the following:

- (1) a short message;
- (2) textual information;
- (3) digitized voice or audio information;
- (4) digitized image information;
- (5) telephone number information;
- (6) message code information.

144. **(NEW)** A wireless information communication system according to claim 140 wherein said paging device communicates with another device, which maintains a database, over a communication link which may be selectively and releasably coupled to one another over at least one of the following:

- (1) a serial line;
- (2) a parallel line;
- (3) an infrared link;
- (4) a radio frequency link;
- (5) a PCMCIA interface;
- (6) a remote telephone input;
- (7) a data card.

145. **(NEW)** A wireless information communication system according to claim 144, wherein said other device comprises at least one of:

- (1) a personal computer;
- (2) a computing device;
- (3) a detachable input interface;
- (4) a keyboard.

146. **(NEW)** A wireless information communication system according to claim 144 wherein said paging device and said other device interact to perform at least one of the following:

(1) refresh data;

(2) transfer data;

(3) download data;

(4) exchange data;

(5) dump data;

(6) communicate data between said devices;

(7) intermittently transfer data between said devices;

(8) intermittently download data between said devices;

(9) create, supplement, or modify data.

147. **(NEW)** A wireless information communication system according to claim 144 wherein said database includes data which comprises at least one of:

- (1) telephone number data;
- (2) fax number data;
- (3) name data;
- (4) address data;
- (5) notification type data;
- (6) intensity field data;
- (7) communicant's telephone number data;
- (8) visual indication data;
- (9) digitized image data;
- (10) digitized audio data;
- (11) digitized voice information.

148. **(NEW)** A wireless information communication system according to claim 140, further comprising;

utilizing an automated checking routine to formulate a textual or voice query to communicate to said message-originating communicant at least one of the telephone number and/or the entity identity contained in said caller-identification information.

149. **(NEW)** A wireless information communication system according to claim 148, wherein said automated checking routine further includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is correct.

150. **(NEW)** A wireless information communication system according to claim 149 wherein said confirmation by said message-originating communicant is the depression of a specific telephone keypad key.

151. **(NEW)** A wireless information communication system according to claim 148 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

152. **(NEW)** A wireless information communication system according to claim 151 wherein said confirmation by said message-originating communicant is the depression of a specific telephone keypad key.

153. **(NEW)** A wireless information communication system according to claim 152 wherein upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is incorrect, allowing the entry of corrected telephone number information by a telephone keypad.

154. **(NEW)** A wireless information communication system according to claim 152 wherein said caller identification information is transmitted by said transmitter upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is correct.

155. **(NEW)** A wireless information communication system according to claim 140 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has hung up from said telephone network.

156. **(NEW)** A wireless information communication system according to claim 153 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has entered said corrected telephone number information.

157. **(NEW)** A wireless information communication system according to claim 151 wherein message-originating communicant confirms that said caller identification information displayed or annunciated is incorrect by the depression of the "2" key on the telephone keypad.

158. **(NEW)** A wireless information communication system according to claim 150 wherein said said message-originating communicant confirms that said caller identification information displayed or annunciated is correct by the depression of the "1" key on the telephone keypad.

159. **(NEW)** A wireless information communication system according to claim 149 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

160. **(NEW)** A method for use in a telephone network and a wireless communication system in order to establish communication between a message-originating communicant and a message-receiving communicant, said method comprising:

initiating communication between a message-originating communicant and a message-receiving communicant over a telephone network;

transmitting to said wireless communication system caller identification information associated with a call placed by said message-originating communicant from said telephone network, without requiring entry of said caller-identification information by said message-originating communicant;

said paging system transmitting said caller identification information to a portable computing device, thereby establishing communication between said message-originating communicant and said message-receiving communicant.

161. **(NEW)** A method according to claim 160, wherein said wireless communication system utilizes at least one of the following for wireless communication:

- (1) a radio frequency communication link;
- (2) a cellular communication link;
- (3) a paging service communication link.

162. **(NEW)** A method according to claim 160, wherein said wireless communication system is utilized to send either one of:

- (1) additional information instead of said caller-identification information;
- (2) additional information along with said caller-identification information.

163. **(NEW)** A method according to claim 162, wherein said additional information comprises at least one of the following:

- (1) a short message;
- (2) textual information;
- (3) digitized voice or audio information;
- (4) digitized image information;
- (5) telephone number information;
- (6) message code information.



144. **(NEW)** A method according to claim 160 wherein said paging device communicates with another device, which maintains a database, over a communication link which may be selectively and releasably coupled to one another over at least one of the following:

- (1) a serial line;
- (2) a parallel line;
- (3) an infrared link;
- (4) a radio frequency link;
- (5) a PCMCIA interface;
- (6) a remote telephone input;
- (7) a data card.

165. **(NEW)** A method according to claim 164, wherein said other device comprises at least one of:

- (1) a personal computer;
- (2) a computing device;
- (3) a detachable input interface;
- (4) a keyboard.

166. **(NEW)** A method according to claim 164 wherein said paging device and said other device interact to perform at least one of the following:

(1) refresh data;

(2) transfer data;

(3) download data;

(4) exchange data;

(5) dump data;

(6) communicate data between said devices;

(7) intermittently transfer data between said devices;

(8) intermittently download data between said devices;

(9) create, supplement, or modify data.

167. **(NEW)** A method according to claim 164 wherein said database includes data which comprises at least one of:

- (1) telephone number data;
- (2) fax number data;
- (3) name data;
- (4) address data;
- (5) notification type data;
- (6) intensity field data;
- (7) communicant's telephone number data;
- (8) visual indication data;
- (9) digitized image data;
- (10) digitized audio data;
- (11) digitized voice information.

168. **(NEW)** A method according to claim 160, further comprising;

utilizing an automated checking routine to formulate a textual or voice query to communicate to said message-originating communicant at least one of the telephone number and/or the entity identity contained in said caller-identification information.

169. **(NEW)** A method according to claim 168, wherein said automated checking routine further includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is correct.

170. **(NEW)** A method according to claim 169 wherein said confirmation is the depression of a specific telephone keypad key.

171. **(NEW)** A method according to claim 169 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

172. **(NEW)** A method according to claim 171 wherein said confirmation is the depression of a specific telephone keypad key.

173. **(NEW)** A method according to claim 172 wherein upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is incorrect, allowing the entry of corrected telephone number information.

174. **(NEW)** A method according to claim 169 wherein said caller identification information is transmitted by said transmitter upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is correct.

175. **(NEW)** A method according to claim 160 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has hung up from said telephone network.

176. **(NEW)** A method according to claim 173 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has entered said corrected telephone number information.

177. **(NEW)** A method according to claim 172 wherein said message-originating communicant confirms that said caller identification information displayed or annunciated is incorrect by the depression of the "2" key on the telephone keypad.

178. **(NEW)** A method according to claim 170 wherein said message-originating communicant confirms that said caller identification information displayed or annunciated is correct by the depression of the "1" key on the telephone keypad.

179. **(NEW)** A method according to claim 168 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

180. **(NEW)** A wireless information communication system connected to a telephone line, which establishes communication between a message-originating communicant and a message-receiving communicant, said system comprising:

a decoder for receiving from a telephone network caller identification information and a memory buffer for storing said caller identification information associated with a call placed by a message-originating communicant;

a receiver that receives a paging request over said telephone network from said page-originating; and

a transmitter for causing said wireless communication system to transmit said caller identification information to a portable computing device identified to a message-receiving communicant.

181. **(NEW)** A wireless information communication system according to claim 180 wherein said wireless information communication system utilizes at least one of the following for wireless communication:

(1) a radio frequency communication link;

(2) a cellular communication link;

(3) a paging service communication link.

182. **(NEW)** A wireless information communication system according to claim 180, wherein said wireless information communication system is utilized to send either one of:

- (1) additional information instead of said caller-identification information;
- (2) additional information along with said caller-identification information.

183. **(NEW)** A wireless information communication system according to claim 182, wherein said additional information comprises at least one of the following:

- (1) a short message;
- (2) textual information;
- (3) digitized voice or audio information;
- (4) digitized image information;
- (5) telephone number information;
- (6) message code information.

184. **(NEW)** A wireless information communication system according to claim 180 wherein said paging device communicates with another device, which maintains a database, over a communication link which may be selectively and releasably coupled to one another over at least one of the following:

- (1) a serial line;
- (2) a parallel line;
- (3) an infrared link;
- (4) a radio frequency link;
- (5) a PCMCIA interface;
- (6) a remote telephone input;
- (7) a data card.

185. **(NEW)** A wireless information communication system according to claim 184, wherein said other device comprises at least one of:

- (1) a personal computer;
- (2) a computing device;
- (3) a detachable input interface;
- (4) a keyboard.



186. **(NEW)** A wireless information communication system according to claim 184 wherein said paging device and said other device interact to perform at least one of the following:

- (1) refresh data;
- (2) transfer data;
- (3) download data;
- (4) exchange data;
- (5) dump data;
- (6) communicate data between said devices;
- (7) intermittently transfer data between said devices;
- (8) intermittently download data between said devices;
- (9) create, supplement, or modify data.

187. **(NEW)** A wireless information communication system according to claim 184 wherein said database includes data which comprises at least one of:

- (1) telephone number data;
- (2) fax number data;
- (3) name data;
- (4) address data;
- (5) notification type data;
- (6) intensity field data;
- (7) communicant's telephone number data;
- (8) visual indication data;
- (9) digitized image data;
- (10) digitized audio data;
- (11) digitized voice information.

188. **(NEW)** A wireless information communication system according to claim 180, further comprising;

utilizing an automated checking routine to formulate a textual or voice query to communicate to said message-originating communicant at least one of the telephone number and/or the entity identity contained in said caller-identification information.

189. **(NEW)** A wireless information communication system according to claim 188, wherein said automated checking routine further includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is correct.

190. **(NEW)** A wireless information communication system according to claim 189 wherein said confirmation by said message-originating communicant is the depression of a specific telephone keypad key.

191. **(NEW)** A wireless information communication system according to claim 188 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

192. **(NEW)** A wireless information communication system according to claim 191 wherein said confirmation by said message-originating communicant is the depression of a specific telephone keypad key.

193. **(NEW)** A wireless information communication system according to claim 192 wherein upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is incorrect, allowing the entry of corrected telephone number information by a telephone keypad.

194. **(NEW)** A wireless information communication system according to claim 192 wherein said caller identification information is transmitted by said transmitter upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is correct.

195. **(NEW)** A wireless information communication system according to claim 180 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has hung up from said telephone network.

196. **(NEW)** A wireless information communication system according to claim 193 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has entered said corrected telephone number information.

197. **(NEW)** A wireless information communication system according to claim 191 wherein message-originating communicant confirms that said caller identification information displayed or annunciated is incorrect by the depression of the "2" key on the telephone keypad.

198. **(NEW)** A wireless information communication system according to claim 190 wherein said said message-originating communicant confirms that said caller identification information displayed or annunciated is correct by the depression of the "1" key on the telephone keypad.

199. **(NEW)** A wireless information communication system according to claim 189 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

200. **(NEW)** A method for use in a telephone network and a wireless communication system in order to establish communication between a message-originating communicant and a message-receiving communicant, said method comprising:

initiating communication between a message-originating communicant and a message-receiving communicant over a telephone network;

transmitting to said wireless communication system caller identification information associated with a call placed by said message-originating communicant from said telephone network, without requiring entry of said caller-identification information by said message-originating communicant;

said wireless communication system transmitting said caller identification information to a portable communication device, thereby establishing communication between said message-originating communicant and said message-receiving communicant.

201. **(NEW)** A method according to claim 200, wherein said wireless communication system utilizes at least one of the following for wireless communication:

- (1) a radio frequency communication link;
- (2) a cellular communication link;
- (3) a paging service communication link.

202. **(NEW)** A method according to claim 200, wherein said wireless communication system is utilized to send either one of:

- (1) additional information instead of said caller-identification information;
- (2) additional information along with said caller-identification information.

203. **(NEW)** A method according to claim 202, wherein said additional information comprises at least one of the following:

- (1) a short message;
- (2) textual information;
- (3) digitized voice or audio information;
- (4) digitized image information;
- (5) telephone number information;
- (6) message code information.

204. **(NEW)** A method according to claim 200 wherein said paging device communicates with another device, which maintains a database, over a communication link which may be selectively and releasably coupled to one another over at least one of the following:

- (1) a serial line;
- (2) a parallel line;
- (3) an infrared link;
- (4) a radio frequency link;
- (5) a PCMCIA interface;
- (6) a remote telephone input;
- (7) a data card.

205. **(NEW)** A method according to claim 204, wherein said other device comprises at least one of:

- (1) a personal computer;
- (2) a computing device;
- (3) a detachable input interface;
- (4) a keyboard.

206. **(NEW)** A method according to claim 204 wherein said paging device and said other device interact to perform at least one of the following:

- (1) refresh data;
- (2) transfer data;
- (3) download data;
- (4) exchange data;
- (5) dump data;
- (6) communicate data between said devices;
- (7) intermittently transfer data between said devices;
- (8) intermittently download data between said devices;
- (9) create, supplement, or modify data.



207. **(NEW)** A method according to claim 204 wherein said database includes data which comprises at least one of:

- (1) telephone number data;
- (2) fax number data;
- (3) name data;
- (4) address data;
- (5) notification type data;
- (6) intensity field data;
- (7) communicant's telephone number data;
- (8) visual indication data;
- (9) digitized image data;
- (10) digitized audio data;
- (11) digitized voice information.

208. **(NEW)** A method according to claim 200, further comprising;

utilizing an automated checking routine to formulate a textual or voice query to communicate to said message-originating communicant at least one of the telephone number and/or the entity identity contained in said caller-identification information.

209. **(NEW)** A method according to claim 208, wherein said automated checking routine further includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is correct.

210. **(NEW)** A method according to claim 209 wherein said confirmation is the depression of a specific telephone keypad key.

211. **(NEW)** A method according to claim 209 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

212 **(NEW)** A method according to claim 211 wherein said confirmation is the depression of a specific telephone keypad key.

213. **(NEW)** A method according to claim 212 wherein upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is incorrect, allowing the entry of corrected telephone number information.

214. **(NEW)** A method according to claim 209 wherein said caller identification information is transmitted by said transmitter upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is correct.

215. **(NEW)** A method according to claim 200 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has hung up from said telephone network.

216. **(NEW)** A method according to claim 213 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has entered said corrected telephone number information.

217. **(NEW)** A method according to claim 212 wherein said message-originating communicant confirms that said caller identification information displayed or annunciated is incorrect by the depression of the "2" key on the telephone keypad.

218. **(NEW)** A method according to claim 210 wherein said message-originating communicant confirms that said caller identification information displayed or annunciated is correct by the depression of the "1" key on the telephone keypad.

219. **(NEW)** A method according to claim 208 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

220. **(NEW)** A wireless information communication system connected to a telephone line, which establishes communication between a message-originating communicant and a message-receiving communicant, said system comprising:

a decoder for receiving from a telephone network caller identification information and a memory buffer for storing said caller identification information associated with a call placed by a message-originating communicant;

a receiver that receives a paging request over said telephone network from said message-originating communicant; and

a transmitter for causing said wireless communication system to transmit said caller identification information to a portable computing device identified to a message-receiving communicant.

221. **(NEW)** A wireless information communication system according to claim 220 wherein said wireless information communication system utilizes at least one of the following for wireless communication:

(1) a radio frequency communication link;

(2) a cellular communication link;

(3) a paging service communication link.

222. **(NEW)** A wireless information communication system according to claim 220 wherein said wireless information communication system is utilized to send either one of:

- (1) additional information instead of said caller-identification information;
- (2) additional information along with said caller-identification information.

223. **(NEW)** A wireless information communication system according to claim 222, wherein said additional information comprises at least one of the following:

- (1) a short message;
- (2) textual information;
- (3) digitized voice or audio information;
- (4) digitized image information;
- (5) telephone number information;
- (6) message code information.

224. **(NEW)** A wireless information communication system according to claim 220 wherein said paging device communicates with another device, which maintains a database, over a communication link which may be selectively and releasably coupled to one another over at least one of the following:

- (1) a serial line;
- (2) a parallel line;
- (3) an infrared link;
- (4) a radio frequency link;
- (5) a PCMCIA interface;
- (6) a remote telephone input;
- (7) a data card.

225. **(NEW)** A wireless information communication system according to claim 224, wherein said other device comprises at least one of:

- (1) a personal computer;
- (2) a computing device;
- (3) a detachable input interface;
- (4) a keyboard.

226. **(NEW)** A wireless information communication system according to claim 224 wherein said paging device and said other device interact to perform at least one of the following:

- (1) refresh data;
- (2) transfer data;
- (3) download data;
- (4) exchange data;
- (5) dump data;
- (6) communicate data between said devices;
- (7) intermittently transfer data between said devices;
- (8) intermittently download data between said devices;
- (9) create, supplement, or modify data.

227. **(NEW)** A wireless information communication system according to claim 224 wherein said database includes data which comprises at least one of:

- (1) telephone number data;
- (2) fax number data;
- (3) name data;
- (4) address data;
- (5) notification type data;
- (6) intensity field data;
- (7) communicant's telephone number data;
- (8) visual indication data;
- (9) digitized image data;
- (10) digitized audio data;
- (11) digitized voice information.

228. **(NEW)** A wireless information communication system according to claim 220, further comprising;

utilizing an automated checking routine to formulate a textual or voice query to communicate to said message-originating communicant at least one of the telephone number and/or the entity identity contained in said caller-identification information.



229. **(NEW)** A wireless information communication system according to claim 228, wherein said automated checking routine further includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is correct.

230. **(NEW)** A wireless information communication system according to claim 229 wherein said confirmation by said message-originating communicant is the depression of a specific telephone keypad key.

231. **(NEW)** A wireless information communication system according to claim 228 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

232. **(NEW)** A wireless information communication system according to claim 231 wherein said confirmation by said message-originating communicant is the depression of a specific telephone keypad key.

233. **(NEW)** A wireless information communication system according to claim 232 wherein upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is incorrect, allowing the entry of corrected telephone number information by a telephone keypad.

234. **(NEW)** A wireless information communication system according to claim 232 wherein said caller identification information is transmitted by said transmitter upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is correct.

235. **(NEW)** A wireless information communication system according to claim 220 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has hung up from said telephone network.

236. **(NEW)** A wireless information communication system according to claim 233 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has entered said corrected telephone number information.

237. **(NEW)** A wireless information communication system according to claim 231 wherein message-originating communicant confirms that said caller identification information displayed or annunciated is incorrect by the depression of the "2" key on the telephone keypad.

238. **(NEW)** A wireless information communication system according to claim 230 wherein said said message-originating communicant confirms that said caller identification information displayed or annunciated is correct by the depression of the "1" key on the telephone keypad.

239. **(NEW)** A wireless information communication system according to claim 229 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

**240. (NEW)** A method for use in a telephone network and a wireless communication system in order to establish communication between a message-originating communicant and a message-receiving communicant, said method comprising:

initiating communication between a message-originating communicant and a message-receiving communicant over a telephone network;

transmitting to said wireless communication system caller identification information associated with a call placed by said message-originating communicant from said telephone network, without requiring entry of said caller-identification information by said message-originating communicant;

said wireless communication system transmitting said caller identification information to a device suitable for coupling to a PCMCIA interface, thereby establishing communication between said message-originating communicant and said message-receiving communicant.

**241. (NEW)** A method according to claim 240, wherein said wireless communication system utilizes at least one of the following for wireless communication:

- (1) a radio frequency communication link;
- (2) a cellular communication link;
- (3) a paging service communication link.

242. **(NEW)** A method according to claim 240, wherein said wireless communication system is utilized to send either one of:

- (1) additional information instead of said caller-identification information;
- (2) additional information along with said caller-identification information.

243. **(NEW)** A method according to claim 242, wherein said additional information comprises at least one of the following:

- (1) a short message;
- (2) textual information;
- (3) digitized voice or audio information;
- (4) digitized image information;
- (5) telephone number information;
- (6) message code information.

244. **(NEW)** A method according to claim 240 wherein said paging device communicates with another device, which maintains a database, over a communication link which may be selectively and releasably coupled to one another over at least one of the following:

- (1) a serial line;
- (2) a parallel line;
- (3) an infrared link;
- (4) a radio frequency link;
- (5) a PCMCIA interface;
- (6) a remote telephone input;
- (7) a data card.

245. **(NEW)** A method according to claim 244, wherein said other device comprises at least one of:

- (1) a personal computer;
- (2) a computing device;
- (3) a detachable input interface;
- (4) a keyboard.

246. **(NEW)** A method according to claim 244 wherein said paging device and said other device interact to perform at least one of the following:

- (1) refresh data;
- (2) transfer data;
- (3) download data;
- (4) exchange data;
- (5) dump data;
- (6) communicate data between said devices;
- (7) intermittently transfer data between said devices;
- (8) intermittently download data between said devices;
- (9) create, supplement, or modify data.

247. **(NEW)** A method according to claim 244 wherein said database includes data which comprises at least one of:

- (1) telephone number data;
- (2) fax number data;
- (3) name data;
- (4) address data;
- (5) notification type data;
- (6) intensity field data;
- (7) communicant's telephone number data;
- (8) visual indication data;
- (9) digitized image data;
- (10) digitized audio data;
- (11) digitized voice information.

248. **(NEW)** A method according to claim 240, further comprising;

utilizing an automated checking routine to formulate a textual or voice query to communicate to said message-originating communicant at least one of the telephone number and/or the entity identity contained in said caller-identification information.

249. **(NEW)** A method according to claim 248, wherein said automated checking routine further includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is correct.

250. **(NEW)** A method according to claim 249 wherein said confirmation is the depression of a specific telephone keypad key.

251. **(NEW)** A method according to claim 249 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

252. **(NEW)** A method according to claim 251 wherein said confirmation is the depression of a specific telephone keypad key.

253. **(NEW)** A method according to claim 252 wherein upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is incorrect, allowing the entry of corrected telephone number information.

254. **(NEW)** A method according to claim 249 wherein said caller identification information is transmitted by said transmitter upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is correct.

255. **(NEW)** A method according to claim 240 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has hung up from said telephone network.



256. **(NEW)** A method according to claim 253 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has entered said corrected telephone number information.

257. **(NEW)** A method according to claim 252 wherein said message-originating communicant confirms that said caller identification information displayed or annunciated is incorrect by the depression of the "2" key on the telephone keypad.

258. **(NEW)** A method according to claim 250 wherein said message-originating communicant confirms that said caller identification information displayed or annunciated is correct by the depression of the "1" key on the telephone keypad.

259. **(NEW)** A method according to claim 248 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

260. **(NEW)** A wireless information communication system connected to a telephone line, which establishes communication between a message-originating communicant and a message-receiving communicant, said system comprising:

a decoder for receiving from a telephone network caller identification information and a memory buffer for storing said caller identification information associated with a call placed by a message-originating communicant;

a receiver that receives a paging request over said telephone network from said message-originating; and

a transmitter for causing said wireless information communication system to transmit said caller identification information to a device suitable for coupling to a PCMCIA interface identified to a message-receiving communicant.

261. **(NEW)** A wireless information communication system according to claim 260 wherein said wireless information communication system utilizes at least one of the following for wireless communication:

- (1) a radio frequency communication link;
- (2) a cellular communication link;
- (3) a paging service communication link.

262. **(NEW)** A wireless information communication system according to claim 260, wherein said wireless information communication system is utilized to send either one of:

- (1) additional information instead of said caller-identification information;
- (2) additional information along with said caller-identification information.

263. **(NEW)** A wireless information communication system according to claim 262, wherein said additional information comprises at least one of the following:

- (1) a short message;
- (2) textual information;
- (3) digitized voice or audio information;
- (4) digitized image information;
- (5) telephone number information;
- (6) message code information.

264. **(NEW)** A wireless information communication system according to claim 260 wherein said paging device communicates with another device, which maintains a database, over a communication link which may be selectively and releasably coupled to one another over at least one of the following:

- (1) a serial line;
- (2) a parallel line;
- (3) an infrared link;
- (4) a radio frequency link;
- (5) a PCMCIA interface;
- (6) a remote telephone input;
- (7) a data card.

265. **(NEW)** A wireless information communication system according to claim 264, wherein said other device comprises at least one of:

- (1) a personal computer;
- (2) a computing device;
- (3) a detachable input interface;
- (4) a keyboard.

266. **(NEW)** A wireless information communication system according to claim 264 wherein said paging device and said other device interact to perform at least one of the following:

- (1) refresh data;
- (2) transfer data;
- (3) download data;
- (4) exchange data;
- (5) dump data;
- (6) communicate data between said devices;
- (7) intermittently transfer data between said devices;
- (8) intermittently download data between said devices;
- (9) create, supplement, or modify data.

267. **(NEW)** A wireless information communication system according to claim 264 wherein said database includes data which comprises at least one of:

- (1) telephone number data;
- (2) fax number data;
- (3) name data;
- (4) address data;
- (5) notification type data;
- (6) intensity field data;
- (7) communicant's telephone number data;
- (8) visual indication data;
- (9) digitized image data;
- (10) digitized audio data;
- (11) digitized voice information.

268. **(NEW)** A wireless information communication system according to claim 250, further comprising;

utilizing an automated checking routine to formulate a textual or voice query to communicate to said message-originating communicant at least one of the telephone number and/or the entity identity contained in said caller-identification information.

269. **(NEW)** A wireless information communication system according to claim 268, wherein said automated checking routine further includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is correct.

270. **(NEW)** A wireless information communication system according to claim 269 wherein said confirmation by said message-originating communicant is the depression of a specific telephone keypad key.

271. **(NEW)** A wireless information communication system according to claim 268 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.

272. **(NEW)** A wireless information communication system according to claim 271 wherein said confirmation by said message-originating communicant is the depression of a specific telephone keypad key.

273. **(NEW)** A wireless information communication system according to claim 272 wherein upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is incorrect, allowing the entry of corrected telephone number information by a telephone keypad.

274. **(NEW)** A wireless information communication system according to claim 272 wherein said caller identification information is transmitted by said transmitter upon receipt of said confirmation from said message-originating communicant that said caller-identification information displayed or annunciated is correct.

275. **(NEW)** A wireless information communication system according to claim 250 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has hung up from said telephone network.

276. **(NEW)** A wireless information communication system according to claim 273 wherein said caller identification information is transmitted by said transmitter upon detection that said message-originating communicant has entered said corrected telephone number information.

277. **(NEW)** A wireless information communication system according to claim 271 wherein message-originating communicant confirms that said caller identification information displayed or annunciated is incorrect by the depression of the "2" key on the telephone keypad.

278. **(NEW)** A wireless information communication system according to claim 270 wherein said said message-originating communicant confirms that said caller identification information displayed or annunciated is correct by the depression of the "1" key on the telephone keypad.

279. **(NEW)** A wireless information communication system according to claim 269 wherein said automated checking routine includes prompting said message-originating communicant for confirmation that said caller-identification information displayed or annunciated is incorrect.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO. 0317MH-23513C

In re Application of:

DANIEL A. HENDERSON

Examiner: BARNIE, R.

Serial No. 09/477,167

Filed: 4 JANUARY 2000

Art Unit: 2743

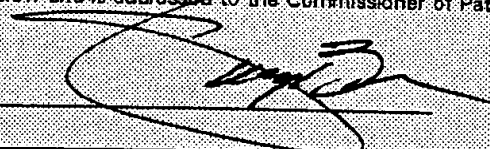
For: METHOD AND APPARATUS FOR IMPROVED PAGING RECEIVER AND SYSTEM

AMENDMENT OF ABSTRACT

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Sir:

Please delete the previously submitted abstract and insert the enclosed abstract in its place.

CERTIFICATE OF MAILING 37 CFR § 1.8(a)	
I hereby certify that this paper or fee is being deposited with the United States Postal Service as First Class Mail service under 37 C.F.R. § 1.8(a) on the date indicated below and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.	
Date of Deposit: <u>10 May 2002</u>	By: 

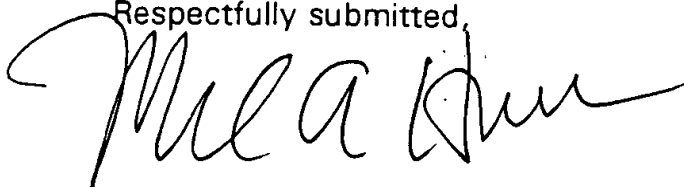
AMENDMENT OF ABSTRACT

## ABSTRACT

A wireless information communication system and method, such as a paging network, that provides caller identification information transmitted from the public switched telephone network to a pager, PDA (Personal Digital Assistant), a portable computing device, or personal communication device carried by a page-receiving communicant. The system and method may include a textual or synthesized voice query to verify the telephone number and/or name information that was derived from caller identification information received, and may also prompt a caller to enter other optional data such as alternative caller-identifying information, call-back information or message information. The wireless system and method then transmits at least one of the caller identification information and the optional data to a page-receiving communicant. A voice mail system or answering machine that stores messages from a caller may be connected to the wireless system, and a paging notification to a page-receiving communicant may be generated upon receipt of a message at a message center. A cellular communication system may also implement the wireless information communication system by transmitting a paging message containing caller identification information and optional data to a cellular radiotelephone device. The transmitted paging message may include digital data representative of the caller identification information that is encrypted or encoded, and can be used to output a dialing signal for other purposes from within the cellular radiotelephone device.

If any additional fees are required, please charge to Deposit Account No. 50-1060.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Mel A Hunn", written over a horizontal line.

Melvin A. Hunn  
Registration No. 32,574  
Kenneth C. Hill  
Registration No. 29,650  
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201 Main Street, Suite 1440  
Fort Worth, Texas 76102  
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ATTORNEY FOR APPLICANT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
ATTORNEY DOCKET NO. 0317MH-23513C

In re Application of:

DANIEL A. HENDERSON

Examiner: BARNIE, R.

Serial No. 09/477,167

Filed: 4 JANUARY 2000

Art Unit: 2743

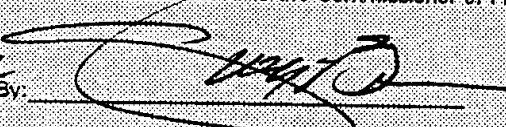
For: METHOD AND APPARATUS FOR IMPROVED PAGING RECEIVER AND  
SYSTEM

CORRECTED CLEAN CLAIMS

Hon. Commissioner of Patents  
and Trademarks  
Arlington, Virginia 22202-0327

Sir:

Applicant submits corrected clean claims which correspond with the  
Amendment filed 15 February 2002.

CERTIFICATE OF MAILING 37 CFR § 1.8(a)	
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Date of Deposit: <u>10 MAY 2002</u>	By: 

- 5 19. (AMENDED ONCE) A method for use in a telephone network and a  
paging system in order to establish communication between a page-  
originating communicant and a page-receiving communicant, said method  
comprising:
- 10 initiating communication between a page-originating communicant and a  
page-receiving communicant over a telephone network;
- transmitting to said paging system caller identification information associated  
with a call placed by said page-originating communicant from said telephone  
15 network, without requiring entry of said caller-identification information by  
said page-originating communicant;
- said paging system transmitting said caller identification information to a  
paging device, thereby establishing communication between said page-  
20 originating and said page-receiving communicant.

- 5    20. **(AMENDED ONCE)** In accordance with claim 19 wherein a code is transmitted to said paging system with said caller identification information.
21. **(AMENDED ONCE)** A method in accordance with claim 19 wherein a code is transmitted before said caller identification information.
22. **(AMENDED ONCE)** A method in accordance with claim 20 wherein said  
10 code is transmitted after said caller identification information.
23. **(AMENDED ONCE)** A method in accordance with claim 19 wherein, after transmitting said caller identification information to said paging system, a personal identification code is transmitted.

5 24. (AMENDED ONCE) A wireless information communication system connected to a telephone line, which establishes communication between a page-originating communicant and a page-receiving communicant, said system comprising:

10 a decoder for receiving from a telephone network caller identification information and a memory buffer for storing said caller identification information associated with a call placed by a page-originating communicant;

a receiver that receives a paging request over said telephone network from said page-originating communicant; and

15 a transmitter for causing a paging system to transmit said caller identification information to a paging device identified to a page-receiving communicant.

5 25. (AMENDED ONCE) A system in accordance with claim 24 wherein said decoder for receiving caller identification information comprises a frequency shift key decoder.

26. (AMENDED ONCE) A system in accordance with claim 24 wherein said transmitter is directly connected to said receiver.

10 27. (AMENDED ONCE) A system in accordance with claim 24 wherein said transmitter to transmit comprises means for retrieving said ICLID from said means for receiving and storing said ICLID and sending said ICLID through a DTMF generator.

15 28. (AMENDED ONCE) A system in accordance with claim 24 further including an automated checking routine that receives said caller identification information from said telephone line to coordinate operation of said transmitter for causing transmission of said caller identification information to said page-receiving communicant.

20 29. (AMENDED ONCE) A system in accordance with claim 24 further including a switch hook for connecting said system to said telephone line.



5 30. (CANCELLED)

31. (CANCELLED)

32. (CANCELLED)

10

33. (CANCELLED)

34. (CANCELLED)

15 35. (CANCELLED)

36. (CANCELLED)

37. (CANCELLED)

20

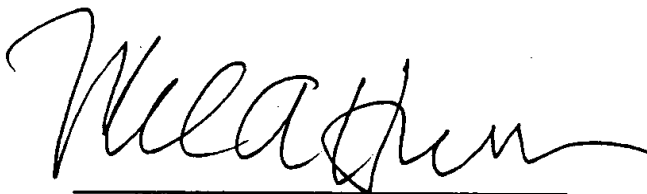
38. (CANCELLED)

39. (CANCELLED)

25

If any additional fees are required, please charge to Deposit Account No. 50-1060.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Melvin A. Hunn", written over a horizontal line.

Melvin A. Hunn

*Registration No. 32,574*

Kenneth C. Hill

*Registration No. 29,650*

James E. Walton

*Registration No. 47,245*

**HILL & HUNN LLP**

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Fort Worth, Texas 76102

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ATTORNEY FOR APPLICANT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO. 0317MH-23513C

In re Application of:

DANIEL A. HENDERSON

Examiner: **Barnie, R.**

Serial No. 08/477,167

Filed: 4 JANUARY 2000

Art Unit: 2743

For: METHOD AND APPARATUS  
FOR IMPROVED PAGING RECEIVER  
AND SYSTEM

CORRECTION OF INADVERTENT PRIOR MISSTATEMENT

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Sir:

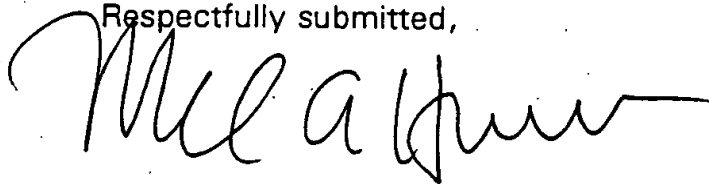
In a prior response mailed on 6 December 2000, Applicant's counsel misstated something that needs to be corrected. On page 4, Applicant stated "As described below, all the teachings of *Duncan* are contained in the original application filed in January 1994, without needing to include disclosure provided by the provisional application of October 1995." Applicant does not believe that this was or is correct.

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Date of Deposit: <u>10 May 2000</u>	By: <u>[Signature]</u>

Applicant believes that it would have been more accurate to state that "most all of the patentably distinct teachings of Duncan are contained in the original application filed January 1994, without needing to include disclosure provided by the provisional application of 1995."

Duncan may be prior art to some of the inventions of the October 1995 filing, but those inventions are not the subject matter of the currently pending amendment and new claims of the present application. Applicant has taken care to amend the existing claims and introduce new claims which are fully supported by the January 1994 filing without requiring support from the October 1995 filing; accordingly, Duncan is **not** prior art for the claims that are currently before the Examiner.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Mel A. Hunn", with a long horizontal flourish extending to the right.

---

Melvin A. Hunn  
Registration No. 32,574  
HILL & HUNN LLP  
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Fort Worth, Texas 76102  
(817) 332-2113

ATTORNEY FOR APPLICANT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
ATTORNEY DOCKET NO. 0317MH-23513C

In re Application of:

DANIEL A. HENDERSON

Examiner: BARNIE, R.

Serial No. 09/477,167

Filed: 4 JANUARY 2000

Art Unit: 2743

For: METHOD AND APPARATUS FOR IMPROVED PAGING RECEIVER  
AND SYSTEM

REFERENCE DOCUMENT

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Sir:

Applicant encloses the following description for the references provided to  
the Examiner.

<b>CERTIFICATE OF MAILING</b> 37 CFR § 1.8(a)	
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Date of Deposit: <u>10 MAY 2000</u>	By: <u>[Signature]</u>

1. US Patent 5,974,300  
DDGT - Col.1, L. 11-36  
"Good background of development of 2-way paging"
2. US Patent 5,625,673  
DDFM - Col. 1,L5 - Col. 1 654  
"Good discussion by Lucent in Sept. 1994 of what a PDA is and the need for integration of a PDA/Cellular device"
3. US Patent 5.606,594  
DDOJ - Col. 1, L. 7-10 / Col. 1, L.42 / Col. 2 2.10  
"Good definition of PDA, need for integration of PDA w/cellular device, 1/27/1994 by Dell USA"
4. US Patent 5,479,397  
DDSA - Col. 1-4  
" Good description of state-of-the-art in cellular communications as of 1993"
5. US Patent 5,404,355  
DDSC - Col. 1-9  
"Good discussion of cellular systems as of 1992"
6. US Patent 5,574,771  
DDBD - Col. 1, L. 14-16  
Statement by Lucent in August 15, 1994 that "cellular telephone systems and mobile pagers are well known in the art"
7. US Patent 5,579,372  
DDBN - Col. 1, L 5-29  
"Good discussion about SMS for short text messages - 12/12/1994"
8. US Patent 5,970,122  
DDBE - Col. 1, L.15-49  
" Good discussion of the need for two-way messaging systems and benefits of paging"
9. US Patent 5,903,845  
DDBF - Col. 1-5  
"Early discussion of integration of Personal Information Manager with wireless systems & devices & PDA's - June 4, 1996"

10. US Patent 5,909,651  
DDBC  
"Discussion by Lucent as of August 2, 1996 of short messages sent by paging channel"
11. US Patent 6,061,560  
DDBK – Col. 2, L. 3-10  
"Shows need for alphanumeric caller ID delivery to wireless communicator as of April 1997"

VALUE:

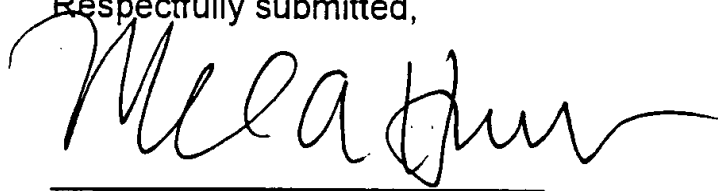
1. US Patent 6,128,381  
DDOZ – Col. 1, L. 14-22 to fig. 1  
"Shows there was no detachable keyboard as of 12/96 according to Ericsson"  
"To store items in the phone book, the keypad of the mobile phone is used in a manner known per se"
2. DDAV  
According to Lucent "Short Message Service Center provides subscriber paging... encourages additional usage... they spend more time on their phones"
3. ABDZ  
"Advanced message to boost paging revenues" Caller ID could attract the most subscribers and revenues...potential revenue from Caller ID \$650,000,000
4. DDCS  
"28% of users were interested in Caller ID in advanced messaging (Paging)"
5. DDFD  
"PIM feature has universal appeal"
6. DDCH  
"Numeric Paging with Caller ID - \$4.95 per month"
7. DDFR  
"More than 60% of telecommunications customers want bundled services"

8. DDGI  
"Smartphones will present a significant revenue opportunity"
9. DDMS  
"Smarter devices help sell services...Wireless carriers focus on short messaging (Paging)"
10. DDIA  
"Easier to use pagers, phones, smart devices to boost customer acceptance... the emergence of synchronization software... the first of several devices with keyboards" Sept. 1997
11. ABEB  
"Skytel, the first messaging company to provide Caller ID to all its subscribers" "4.95 a month"
12. DDAS  
"Sprint launches Short Messaging Services", numeric pages" – 1999
13. DDNB  
Lucent Technologies 1997 – see page 6  
"Benefits of SMS – creating more air-time revenue for the service provider" and "provides a means for competing with the lucrative paging market"
14. DDJI  
"Average number of pages per day with Caller ID service – 15-37... How much would you be willing to pay per month for Caller ID service in paging service? Mean \$7.41 per month"
15. DDOQ  
"Voice Dialing saves subscribers time: provides revenue – Lucent"



If any additional fees are required, please charge to Deposit Account No. 50-1060.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Melvin A. Hunn", written over a horizontal line.

Kenneth C. Hill  
Registration No. 29,650  
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ATTORNEY FOR APPLICANT

## UNITED STATES DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.		PUBLICATION DATE	INVENTOR NAME	CLASS/ SUBCLASS	FILING DATE
	AA	4065642	12/27/77	MCCLURE	179/18 B	04/24/75
	AB	4961216	10/02/90	BAEHR ET AL	379/57	12/30/88
	AC	5341414	8/23/94	POPKE	379/142	02/05/92
	AD	4072824	2/07/78	PHILLIPS	179/18B	04/26/76
	AE	4821308	4/11/89	HASHIMOTO	379/57	03/18/86
	AF	4737979	4/12/88	HASHIMOTO	379/82	01/21/86
	AG	4882744	11/21/89	HASHIMOTO	379/57	08/17/88
	AH	4985913	1/15/91	SHALOM ET AL	379/76	08/29/89
	AI	5128980	7/7/92	CHOI	379/56	06/29/90
	AJ	5151930	9/29/92	HAGI	379/57	09/21/90
	AK	5159624	10/27/92	MAKITA	379/57	10/22/90
	AL	5327486	7/5/94	WOLFF ET AL	379/96	03/22/93
	AM	5148469	9/15/92	PRICE	379/57	07/05/90
	AN	4178475	12/11/79	TAYLOR ET AL	179/2 EC	03/09/78
	AO	4263480	4/21/81	LEVINE	179/2 EC	07/17/79
	AP	5285496	2/8/94	FRANK ET AL	380/9	12/14/92
	AQ	4266098	5/5/81	NOVAK	179/5.5	11/03/78
	AR	4994797	2/19/91	BREEDEN	340/825.44	03/08/89
	AS	4893335	1/9/90	FULLER ET AL	379/200	03/20/86
	AT	5321742	6/14/94	STEVENS	379/103	07/06/92
	AU	4438433	3/20/84	SMOOT ET AL	340/825.44	09/29/81
	AV	4178476	12/11/79	FROST	179/2 EC	05/26/78
	AW	4803726	2/7/89	LEVINE ET AL	380/48	12/31/86
	AX	5066949	11/19/91	BREEDEN ET AL	340/825.44	11/08/89
	AY	4680785	7/14/87	AKIYAMA ET AL	379/57	10/03/84
	AZ	5166973	11/24/92	HOFF	379/57	03/06/90
	BA	4313035	1/26/82	JORDAN ET AL	179/18 BE	01/18/80
	BB	4918721	4/17/90	HASHIMOTO	379/96	08/24/88
	BC	4427848	1/24/84	TSAKANIKAS	179/2 DP	12/29/81

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KLAUSNER ET AL

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EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	INVENTOR NAME	CLASS/ SUBCLASS	FILING DATE
BE	4878051	10/31/89	ANDROS ET AL	340/825.44	02/22/88
BF	5274699	12/28/93	RANZ	379/142	07/24/92
BG	4600809	7/15/86	TATSUMI ET AL	179/2 EA	05/24/84
BH	4692742	9/8/87	RAIZEN ET AL	340/539	10/21/85
BI	4942598	7/17/90	DAVIS	379/57	03/04/88
BJ	5343516	8/30/94	CALLELE ET AL	379/98	02/13/92
BK	4754473	6/28/88	EDWARDS	379/58	10/16/86
BL	5251250	10/5/93	OBATA ET AL	379/59	08/21/91
BM	4654718	3/31/87	SUEYOSHI	358/257	12/02/83
BN	4644351	2/17/87	ZABARKY ET AL	340/825.44	05/08/84
BO	4747122	5/24/88	BHAGAT ET AL	379/57	10/27/86
BP	4796291	1/3/89	MAKINO	358/58	03/07/86
BQ	4802200	1/31/89	MURATA ET AL	379/61	08/26/86
BR	5063588	11/5/91	PATSIOKAS ET AL	379/57	08/04/89
BS	4661972	4/28/87	KAI	379/57	02/14/86
BT	4924496	5/8/90	FIGA ET AL	379/142	05/12/88
BU	5276731	1/4/94	ARBEL ET AL	379/88	05/26/91
BV	5280521	1/18/94	ITOH	379/58	02/24/92
BW	4775999	10/4/88	WILLIAMS	379/59	12/07/87
BX	5208850	5/4/93	KINO	379/88	08/05/91
BY	5278894	1/11/94	SHAW	379/67	10/25/91
BZ	5283824	2/1/94	SHAW	379/142	10/25/91
CA	5349638	9/20/94	PITRODA ET AL	379/142	01/25/93
CB	5014296	5/7/91	SAIGANO	379/67	02/04/88
CC	5333179	7/26/94	YAMAMOTO ET AL	379/67	08/12/93
CD	5278889	1/11/94	PAPANICOLAOU ET AL	379/53	07/29/92
CE	5390362	2/14/95	MODJESKA ET AL	455/38.1	06/01/93
CF	4720848	1/19/88	AKIYAMA	379/88	11/30/84
CG	5283818	2/1/94	KLAUSNER ET AL	379/67	03/31/92

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	CH	5228073	7/13/93	SMITH	379/57	07/22/91
	CI	4706272	11/10/87	NISHIMURA ET AL	379/57	02/01/85
	CJ	4814763	3/21/89	NELSON ET AL	340/825.44	12/14/87
	CK	4941167	7/10/90	CANNALTE ET AL	379/67	11/04/88
	CL	4087638	5/2/78	HAYES ET AL	179/2	10/01/76
	CM	4625081	11/25/86	LOTITO ET AL	379/88	11/30/82
	CN	4608460	8/26/86	CARTER ET AL	179/6.11	09/17/84
	CO	5049874	9/17/98	ISHIDA ET AL	340/825.44	09/15/89
	CP	4951043	8/21/90	MINAMI	340/825.440	03/02/87
	CQ	5093659	03/03/92	YAMADA	340/825.44	12/22/89
	CR	4356519	10/26/82	COGDELL, JR	360/61	02/25/80
	CS	5258751	11/02/93	DELUCA ET AL	340/825.44	11/4/91
	CT	4336524	06/22/82	LEVINE	340/311.1	05/12/80
	CU	4779138	10/18/88	NOMURA ET AL	358/236	11/20/86
	CV	4378551	03/29/83	DRAPAC	340/311.1	12/05/80
	CW	4126768	11/21/78	GRENZOW	179/90	06/27/77
	CX	4117542	09/26/78	KLAUSNER ET AL	364/900	07/07/77
	CY	5182553	01/26/93	KUNG	340/825.44	09/04/90
	CZ	4811379	03/07/89	GRANDFIELD	379/57	12/21/87
	DA	5289530	02/22/94	REESE	379/88	07/23/91
	DB	5285493	02/08/94	WAGAI ET AL	379/58	06/25/91
	DC	4639225	01/27/87	WASHIZUKA	434/308	06/22/83
	DD	5124697	06/23/92	MOORE	340/825.44	10/16/89
	DE	4704608	11/03/87	SATO ET AL	340/825.44	07/21/86
	DF	4940963	07/10/90	GUTMAN ET AL	340/313	03/10/89
	DG	4965569	10/23/90	BENNETT ET AL	03/04/89	04/14/89
	DH	4868560	09/19/89	OLIWA ET AL	340/825.440	05/11/88
	DI	4873520	10/10/89	FISCH ET AL	340/825.44	11/02/87
	DJ	5153579	10/06/92	FISCH ET AL	340/825.22	02/21/91

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	DK	4720848	01/19/88	AKIYAMA	379/88	11/30/84
	DL	4742516	05/03/88	YAMAGUCHI	370/94	01/10/86
	DM	5095307	03/10/92	SHIMURA ET AL	340/825.44	01/24/91
	DN	4873719	10/10/89	REESE	379/215	11/18/88
	DO	5161181	11/03/92	ZWICK	379/67	01/10/90
	DP	5341411	08/23/94	HASHIMOTO	379/67	09/23/91
	DQ	5075684	12/24/91	DELUCA	340/825.44	10/06/89
	DR	5073767	12/17/91	HOLMES ET AL	340/311.11	12/05/89
	DS	4962377	10/09/90	WALLACE ET AL	340/825.440	02/09/89
	DT	4975693	12/04/90	DAVIS ET AL	340/825.44	01/30/89
	DU	5043721	8/27/91	MAY	340/825.44	12/18/89
	DV	5148473	9/15/92	FREELAND ET AL	379/59	10/15/91
	DW	5117449	5/26/92	METROKA ET AL	379/58	04/08/91
	DX	5212721	05/18/93	DELUCA ET AL	379/57	08/18/89
	DY	5280516	01/18/94	JANG	379/57	08/14/91
	DZ	5099507	03/24/92	MUKAI ET AL	379/57	09/18/89
	EA	4490579	12/25/84	GODOSHIAN	179/2 EC	04/15/83
	EB	4716583	12/29/87	GRONER ET AL	379/88	10/22/86
	EC	5151929	09/29/92	WOLF	379/57	12/27/89
	ED	5327480	07/05/94	BREEDEN	379/57	02/22/93
	EE	5208849	05/04/93	FU	379/70	10/16/91
	EF	4996707	02/26/91	O'MALLEY ET AL	379/100	02/09/89
	EG	4408099	10/04/83	ISHII	179/2 EC	06/05/81
	EH	4682148	07/21/87	ICHIKAWA ET AL	340/311.1	09/08/83
	EI	4766434	08/23/88	MATAI ET AL	340/825.44	09/11/86
	EJ	4922221	05/01/90	SATO ET AL	340/311.1	01/29/88
	EK	4103107	07/25/78	D'AMICO ET AL	179/2	03/09/77
	EL	5252964	10/12/93	TAN ET AL	340/825.48	08/13/92
	EM	5251250	10/05/93	OBATA ET AL	379/59	08/21/91

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	EN	5127040	06/30/92	D'AVELLO ET AL	379/58	03/02/90
	EO	4872005	10/03/89	DELUCA ET AL	340/825.440	01/04/88
	EP	4806906	02/21/89	ODA ET AL	340/311.1	01/29/87
	EQ	4868860	09/19/89	ANDDROS ET AL	379/57	02/22/88
	ER	4796291	01/03/89	MAKINO	358/58	03/07/86
	ES	4172969	10/30/79	LEVINE ET AL	179/2EC	08/30/76
	ET	5224150	06/29/93	NEUSTEIN	379/57	06/06/90
	EU	4713808	12/15/87	GASKILL ET AL	370/94	11/27/85
	EV	4618860	10/21/86	MORI	340/825.44	05/31/83
	EW	4899358	02/06/90	BLAKLEY	379/67	08/08/88
	EX	5128981	7/7/92	TSUKAMOTO ET AL	379/58	05/21/90
	EY	5390236	2/14/95	KLAUSNER ET AL	379/67	05/12/92
	EZ	4882750	11/21/89	HENDERSON ET AL	379/355	03/23/88
	JV	5272465	12/21/93	MEARES, JR.	340/539	11/13/91
	JW	4812743	3/14/89	CHAMPION, III ET AL	340/905	08/11/87
	JX	5274454	12/28/93	HIGGINS, JR.	358/186	08/10/92
	JY	5063588	11/5/91	PATSIOKAS ET AL	379/57	08/04/89
	JZ	4776005	10/4/88	PETRICCIONE ET AL	379/142	07/23/87
	KA	4368989	1/18/83	KAWASHIMA	368/74	08/18/80
	KB	4388000	6/12/83	HAGIHARA	368/72	10/31/80
	KC	4868561	9/19/89	DAVIS	340/825.44	07/01/88
	KD	4975683	12/4/90	DAVIS ET AL	340/825.44	01/30/89
	KE	5175875	12/29/92	YOKOYA ET AL	455/89	4/2/90
	KF	4800582	1/24/89	D'AGOSTO, III ET AL	379/216	8/8/86
	KG	5206637	4/27/93	WARREN	340/825.31	1/31/91
	KH	4914691	4/3/90	BERGER	379/357	12/21/88
	KI	5195130	3/16/93	WEISS ET AL	379/98	10/5/90
	KJ	4882579	11/21/89	SIWIAK	340/825.44	1/7/88
	KK	5146493	9/8/92	KIGUCHI ET AL	379/357	6/14/90

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	KL	5047764	9/10/91	ANDROS ET AL	340/311.1	10/31/89
	KM	5144654	9/1/92	KELLEY ET AL	379/356	3/22/91
	KR	4424514	1/3/84	FENNELL ET AL	340/825.52	10/13/81
	KS	4477807	10/16/84	NAKAJIMA ET AL	340/825.44	10/16/84
	KT	4885577	12/5/89	NELSON	340/825.44	3/2/88
	KU	4427980	1/24/84	FENNELL ET AL	340/825.52	10/13/81

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.		PUBLICATION DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES NO	
	FA	3329267	2/85	FED REP GERMANY	379/58		
	FC	191541	11/83	JAPAN	379/58		
	FE	81821	4/87	JAPAN	379/58		
	FF	46332	2/89	JAPAN	379/58		
	FG	185035	7/89	JAPAN	455/18		
	FH	2173071	10/86	UK	379/57		
	FI	187141	9/85	JAPAN	379/57		
	FJ	178730	9/85	JAPAN			
	FK	13050	1/90	JAPAN	379/57		
	FL	2358065	2/78	FRANCE	379/170		
	FM	186056	8/86	JAPAN	379/57		
	FN	103526	5/88	JAPAN	379/57		
	FO	246947	10/89	JAPAN	379/170		
	FP	146167	8/83	JAPAN	379/67		
	FQ	90451	5/84	JAPAN	379/89		
	FR	41358	3/85	JAPAN	379/142		
	FT	3315625	10/84	FED REP OF GERMANY	379/58		
	FU	3329267	2/85	FED REP OF GERMANY	379/58		
	FV	191541	11/83	JAPAN	379/58		
	FW	77539	5/85	JAPAN	379/58		
	FX	94547	5/85	JAPAN	379/58		
	FY	81821	4/87	JAPAN	379/58		

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FZ	65748	3/88	JAPAN	379/142	
GA	8706421	10/87	JAPAN	379/142	
GB	301740	2/89	EPO	379/58	
GD	0212761	8/22/86	EPO	H04Q 7/04	
GE	2024567	5/17/79	UK	H04Q 7/02	
GF	9203891	3/5/92	EPO	H04Q 7/04	
GG	2140253A	11/21/84	UK	404Q 7/04	
GH	58191541		JAPAN		
GI	3421886	12/19/85	GERMANY	H04M1/00	
GJ	4225687	8/14/92	JAPAN	H04Q7/04	

## OTHER PRIOR ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGE, ETC)

GK	"MAGIC CAP MEANS COMMUNICATION" BROCHURE - 1994
GL	"MAGIC CAP" BROCHURE - 1994
GM	MOBILE OFFICE - JANUARY, 1994, VOL. 5, NO. 1, PP. 100-117, "TRIO OF TOMORROW" ARTICLE, BACK COVER, EVTEK CORPORATION PRODUCT ADVERTISEMENT, THE WRITE TOUCH
GN	PC LAPTOP MAGAZINE, FEBRUARY 1995, VOL. 7, NO. 2, PP. 28-48.
GO	IT'S NEW, MAY/JUNE 1995, VOL. 1, NO. 2, PP. 73-77.
GP	NTT DOCOMO BROCHURE, 4/1/95
GQ	PEN COMPUTING MAGAZINE, AUGUST 1994, VOL. 1, NO. 1, PP. 15-22, 34-35.
GR	PC PAGER ADVERTISEMENT - 1993
GS	COMPUTERWORLD, DECEMBER 21, 1992, P. 8, "WINDOWS LINK TO PAGERS AIDS LAN TROUBLESHOOTERS"
GT	COMPUTER WORLD, AUGUST 2, 1993, VOL. 15, ISSUE 31, P.1, "NEWTON ARRIVES SANS REMOTE LINKS"
GU	MAGIC CAP PRESS RELEASE, SAN FRANCISCO, JANUARY 6, 1994
GV	COMDIAL TRACKER BROCHURE, 1994
GW	MOTOROLA PRESS RELEASE, PCMCIA WIRELESS MODEM TECHNOLOGY ANNOUNCEMENT
GX	HEWLETT PACKARD PRESS RELEASE, INFRARED COMMUNICATIONS INTERFACE ANNOUNCEMENT, 06/01/93
GY	SKYTEL PRESS RELEASE - JAN. 6, 1994, "SKYTEL CORP. AND GENERAL MAGIC WORK TOGETHER TO PROVIDE WIRELESS MOBILE COMMUNICATIONS"
GZ	NEWTON MESSAGE PAD 120, PRODUCT BROCHURE - 1994
HA	PC MAGAZINE, AUGUST 1993, "EO FALLS SHORT AS ULTIMATE HANDHELD COMMUNICATOR"
HB	T.A.V.I.S. TALK PRODUCT BROCHURE, BIZTEL COMMUNICATION SYSTEMS, INC.
HC	VS-401 TALKS SB PRODUCT BROCHURE
HD	MOBILE OFFICE MAGAZINE, JAN. 1994, P.76, FUJITSU PCX NUMERIC ANSWERING MACHINE



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HE	PC WORLD, DECEMBER 1992, MOBILE COMPUTING SECTION, PP. 239-265, "NOMADS OF THE NINETIES"
HF	MOBILE DATA REPORT, FEB. 1, 1994 V6 I2, APPLE, MOBILECOMM OFFER NEWTON, PAGER CARD, AIRTIME DEAL
HG	PC WEEK, MAY 23, 1994 V11 N20 PA1(2), A PAGING PARTY. (GROWING TREND TOWARDS ONE-WAY MESSAGING)
HH	TELEDYNAMICS CATALOG, SEPTEMBER, 1994 - FANS P161P TELESECRETARY PAGING DEVICE, PAGES 25, 49, 51
HI	GENERAL MAGIC PRESS RELEASE, FEB. 8, 1993
HJ	POSITIVE COMMUNICATIONS "BEEPER" BROCHURE, 1993
HK	WINID PAGING SYSTEM - SOFTWARE MANUAL - V. 1.0, 11/15/94
HL	AT&T EO 440 & 880 PERSONAL COMMUNICATORS BROCHURE, 1993
HM	PC WEEK, FEBRUARY 12, 1990, "THEY'RE HERE: PORTABLE E-MAIL AND VOICE MAIL
HN	ULTRAVOICE PRODUCT BROCHURE
HO	TELELINK DS5000 ADVERTISEMENT - 1993
HP	PC MAGAZINE, JUNE 15, 1993, "HP 100 LX ADDS REMOTE E-MAIL"
HQ	INFOWORLD, JUNE 7, 1993, P. 34, "OMRON READIES PDA FOR RELEASE"
HR	INFOWORLD, MARCH 22, 1993, P.4, "A FAILURE TO COMMUNICATE: THE LONG ROAD TO PHONE, PC INTEGRATION"
HS	INFOWORLD, FEB. 22, 1993, P. 29, "TODAY'S NOTEBOOKS TO GAIN TELEPHONY"
HT	INFOWORLD, APRIL 19, 1993, P.1, "MICROSOFT, INTEL TEAM UP TO INTEGRATE PHONE, PCS"
HU	INFOWORLD, JUNE 14, 1993, P. 30, "THIRD PARTIES TO ENHANCE OMNIBOOK 300'S COMMUNICATIONS"
HV	INFOWORLD, JUNE 7, 1993, P. 43, "CARD IS ALL-IN-ONE MESSENGER"
HW	INFOWORLD, JUNE 7, 1993, P.3, "ALLIANCES GIVE NEWTON PDA A COMMUNICATIONS ADVANTAGE"
HX	MACWEEK, 8/2/93, P. 63-68, "THE MESSAGEPAD: APPLE'S FIRST PERSONAL DIGITAL ASSISTANT"
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orm PTO-1449

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0317MH-19419

Serial No.

08/177,851

Applicant

DANIEL A. HENDERSON

Filing Date

01/05/94

Group Art Unit

2622

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Examiner:

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## UNITED STATES DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

orm PTO-1449

Attorney Docket No.

Serial No.

0317MH-23513C

09/477,167

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Applicant

DANIEL A. HENDERSON

Filing Date

01/04/00

Group Art Unit

2743

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EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	INVENTOR NAME	CLASS/ SUBCLASS	FILING DATE
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<b>Form PTO-1449</b>  <b>LIST OF PRIOR ART CITED BY APPLICANT</b> <i>(Use several sheets if necessary)</i>			Attorney Docket No.		Serial No.	
			0317MH-23513C		09/477,167	
			Applicant <b>DANIEL A. HENDERSON</b>			
			Filing Date		Group Art Unit	
			01/04/00		2743	
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Attorney Docket No.

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Serial No.

09/477,167

Applicant

DANIEL A. HENDERSON

Filing Date

1/4/00

Group Art Unit

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Examiner:

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# Request For Continued Examination (RCE) Transmittal

Address to:  
Commissioner for Patents  
Box RCE  
Washington, DC 20231

Application Number	09/477,167
Filing Date	4 JAN 2000
First Named Inventor	HENDERSON
Art Unit	2643
Examiner Name	BARNIE, R.
Attorney Docket Number	0317MM-23513C

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application. Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

## 1. Submission required under 37 CFR 1.114

- a. ☐ Previously submitted
- i. ☐ Consider the amendment(s)/reply under 37 CFR 1.116 previously filed on \_\_\_\_\_  
(Any unentered amendment(s) referred to above will be entered).
- ii. ☐ Consider the arguments in the Appeal Brief or Rely Brief previously filed on \_\_\_\_\_
- iii. ☐ Other \_\_\_\_\_
- b. ☒ Enclosed
- i. ☐ Amendment/Reply
- ii. ☐ Affidavit(s)/Declaration(s)
- iii. ☐ Information Disclosure Statement (IDS)
- iv. ☒ Other PRELIMINARY AMENDMENT

## 2. Miscellaneous

- a. ☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of \_\_\_\_\_ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)
- b. ☐ Other \_\_\_\_\_

## 3. Fees

- The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.
- The Director is hereby authorized to charge the following fees, or credit any overpayments, to Deposit Account No. 50.1060
- i. ☐ RCE fee required under 37 CFR 1.17(e)
- ii. ☐ Extension of time fee (37 CFR 1.136 and 1.17)
- iii. ☒ Other AND REPERCUSSIONS
- b. ☒ Check in the amount of \$ 1348.00 enclosed
- c. ☐ Payment by credit card (Form PTO-2038 enclosed)

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Name (Print/Type)	MELVIN A. HUNTER	Registration No. (Attorney/Agent)	32,574
Signature	<i>Mel A Hunter</i>	Date	10 FEB 2003

## CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner For Patents, Box RCE, Washington, DC 20231, or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.

Name (Print/Type)	SIGMUND B. SHAW	Date	10 FEB 2003
Signature	<i>Sigmund B Shaw</i>		

Page 1 of 2

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Box RCE, Washington, DC 20231.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO. 0317MH-23513C

In re Application of:

DANIEL A. HENDERSON

Examiner: BARNIE, R.

Serial No. 09/477,167

Filed: 4 JANUARY 2000

Art Unit: 2643

For: METHOD AND APPARATUS FOR IMPROVED PAGING RECEIVER  
AND SYSTEM

**PRELIMINARY AMENDMENT**

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Sir:

Please cancel pending Claims 19-29 and 40-363.

Please add new Claims 364-417.

Attached find a new Abstract.

**CERTIFICATE OF MAILING**  
**37 CFR § 1.8(a)**

I hereby certify that this paper or fee is being deposited with the United States Postal Service as First Class Mail service under 37 C.F.R. § 1.8(a) on the date indicated below and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Date of Deposit: 10-25-2000

By: 



- 5 364. For use in a wireless communication system and personal communication device including a wireless paging receiver unit, a display member, a CPU, a memory, and an input accessory, a method for displaying an image comprising the steps of:
- 10 a) storing image data and caller identifying data of a potential communicant in a database record in memory using an input accessory;
- b) using the wireless paging receiver unit to receive a wireless paging signal containing at least one of Caller ID data originating from the public
- 15 switched telephone network and other caller identifying data that is related to a calling party;
- c) using the CPU to determine whether at least one of the Caller ID data and other caller identifying data received matches caller identifying
- 20 data stored in at least one database record recorded in memory; and
- d) using the CPU to display the image data on the display member when it is determined that at least one of the Caller ID data and other caller identifying data received matches stored caller identifying data of a
- 25 potential communicant.

5 365. A method as in Claim 364 where the memory is Random Access Memory.

366. A method as in Claim 364 where the CPU is a microprocessor.

10 367. A method as in Claim 364 where the image is at least one of the following:

- (a) iconographic data;
- (b) logo data;
- (c) data representative of the calling party;
- 15 (d) photo image;
- (e) video image data; and
- (f) other graphic image data.

- 5 368. For use in a wireless communication system and personal communication device including a wireless paging receiver unit, a sound output device, a CPU, a memory, and a sound input accessory, a method for generating a sound comprising the steps of:
- 10 a) storing sound data and caller identifying data of a potential communicant in a database record in memory using an input accessory;
- b) using the wireless paging receiver unit to receive a wireless paging signal containing at least one of Caller ID data originating from the public  
15 switched telephone network and other caller identifying data that is related to a calling party;
- c) using the CPU to determine whether at least one of the Caller ID data and other caller identifying data received in the wireless signal  
20 matches caller identifying data stored in at least one database record recorded in memory; and
- d) using the sound output device to generate a sound using a sound  
25 output device when it is determined that at least one of the incoming Caller ID data and other caller identifying data received matches stored caller identifying data of a potential communicant.

5 369. A method as in Claim 368 where the memory is Random Access Memory.

370. A method as in Claim 368 where the CPU is a microprocessor.

10 371. A method as in Claim 368 where the sound data is at least one of the following:

- a) .WAV file;
- b) personal computer file;
- 15 c) recorded sound;
- d) uploaded sound; and
- e) pre-stored voice signal.

5 372. A method for displaying an image in a wireless personal communicator, comprising the steps of:

(a) pre-storing an image representative of at least one potential  
communicant in a memory contained in the wireless personal  
10 communicator;

(b) pre-storing numeric caller identifying data associated with  
an image representative of at least one potential communicant in a  
memory contained in the wireless personal communicator;

15

(c) receiving a wireless signal at the wireless personal  
communicator containing at least one of Caller ID data originating from  
the public switched telephone network and other caller identifying data  
related to a calling party;

20

(d) comparing at least one of the received Caller ID data and  
other caller identifying data related to a calling party with the pre-  
stored numeric caller identifying data to determine if there is a match  
between at least one of the received Caller ID data and other caller  
25 identifying data and the pre-stored caller identifying data; and

(e) displaying a pre-stored image representative of a calling  
party on a display in the wireless personal communicator when it is  
determined that at least one of the received Caller ID data and other  
30 caller identifying data received matches the pre-stored numeric caller  
identifying data.

5 373. A method as in Claim 372 where the wireless personal communicator may display or annunciate information to the owner of the wireless personal communicator indicating that the calling party is not listed within the database when at least one of the Caller ID data and other caller identifying data received fails to produce a match with the pre-stored numeric caller identifying  
10 data.

374. A method as in Claim 373 further comprising a prompt to the owner of the wireless personal communication device to utilize a keypad or alternative input interface to enter data into memory that corresponds to the calling party.  
15

375. A method as in Claim 372 where at least one of the Caller ID data and other caller identifying data received is displayed along with the pre-stored image representative of a calling party.

20 376. A method as in Claim 372 where at least one of (a) received Caller ID data, (b) other received caller identifying data, (c) a flashing iconographic indicator, (d) the duration of a message received, (e) time information, and (f) pre-stored numeric caller identifying data is displayed along with the pre-stored image representative of a calling party.

25 377. A method as in Claim 372 where the display is a touch screen adapted to accept at least one of (a) programming of soft-keys for various functions, (b) scrolling, (c) data entry, (d) message selection, (e) selection of icons, (f) selection of menu buttons, and (g) other items by the owner of the wireless  
30 personal communicator.

378. A method as in Claim 372 where the display includes a graphical user interface.

5 379. A method for displaying an image in a wireless personal communicator, comprising the steps of:

(g) pre-storing an image representative of at least one potential  
communicant in a memory contained in the wireless personal  
10 communicator;

(h) pre-storing alpha-numeric caller identifying data associated with  
an image of at least one potential communicant in a memory contained  
in the wireless personal communicator;

15 (i) receiving a wireless signal at the wireless personal communicator  
containing at least one of Caller ID data originating from the public  
switched telephone network and other caller identifying data related to  
a calling party;

20 (j) comparing the at least one of Caller ID data and other caller  
identifying data related to a calling party received with the pre-stored  
alpha-numeric caller identifying data to determine if there is a match  
between at least one of the Caller ID data and caller identifying data  
25 received and the pre-stored alpha-numeric caller identifying data;

(k) displaying a pre-stored image representative of a calling party on  
a display in the wireless personal communicator when it is determined  
that at least one of the Caller ID data and other caller identifying data  
30 received in a wireless signal matches the pre-stored alpha-numeric  
caller identifying data.

5 380. A method as in Claim 379 where the wireless personal communicator  
may display or annunciate information to the owner of the wireless personal  
communicator indicating that the calling party is not listed within the database  
when at least one of the Caller ID data and other caller identifying data  
received fails to produce a match with the pre-stored alpha-numeric caller  
10 identifying data.

381. A method as in Claim 380 further comprising a prompt to the owner of  
the wireless personal communication device to utilize a keypad or alternative  
input interface to enter data into memory that corresponds to the calling party.  
15

382. A method as in Claim 379 where at least one of the Caller ID data and  
other caller identifying data received is displayed along with the pre-stored  
image representative of a calling party.

20 383. A method as in Claim 379 where at least one of (a) received Caller ID  
data, (b) other received caller identifying data, (c) a flashing iconographic  
indicator, (d) the duration of a message received, (e) time information, and (f)  
pre-stored alpha-numeric caller identifying data is displayed along with the pre-  
stored image representative of a calling party.

25 384. A method as in Claim 379 where the display is a touch screen adapted  
to accept at least one of (a) programming of soft-keys for various functions, (b)  
scrolling, (c) data entry, (d) message selection, (e) selection of icons, (f)  
selection of menu buttons, and (g) other items by the owner of the wireless  
30 personal communicator.

385. A method as in Claim 379 where the display includes a graphical user  
interface.



5 386. A method as in Claim 372 where the pre-stored image is at least one of the following:

- (a) iconographic data;
- (b) logo data;
- (c) data representative of the calling party;
- 10 (d) photo image;
- (e) video image data; and
- (f) other graphic image data.

15 387. A method as in Claim 379 where the pre-stored image is at least one of the following:

- (a) iconographic data;
- (b) logo data;
- (c) data representative of the calling party;
- (d) photo image;
- 20 (e) video image data; and
- (f) other graphic image data.

- 5 388. For use in a wireless communication system and personal communication device including a wireless receiver unit, a display member, a CPU, a memory, and an input accessory, a method for displaying a photo image comprising the steps of:
- 10 (a) storing photo image data and caller identifying data of a potential communicant in a database record in memory using an input accessory;
- (b) using the wireless receiver unit to receive a wireless signal  
15 containing at least one of Caller ID data originating from the public switched telephone network and other caller identifying data related to an actual communicant;
- (c) using the CPU to determine whether at least one of the  
20 Caller ID data and other caller identifying data received in the wireless signal matches caller identifying data of a potential communicant stored in at least one database record recorded in memory; and
- (d) using the CPU to display the photo image data on the  
25 display member when it is determined that at least one of the incoming Caller ID data and other caller identifying data received in a wireless signal matches stored caller identifying data of a potential communicant.

5 389. For use in a wireless communication system and personal communication device including a wireless paging receiver unit, a display member, a CPU, a memory, and an input accessory, a method for displaying a logo comprising the steps of:

10 (a) storing logo image data and caller identifying data of a potential communicant in a database record in memory using an input accessory;

(b) using the wireless receiver unit to receive a wireless signal  
15 containing at least one of Caller ID data originating from the public switched telephone network and other caller identifying data related to an actual communicant;

(c) using the CPU to determine whether at least one of the  
20 Caller ID data and other caller identifying data received in the wireless signal matches caller identifying data of a potential communicant stored in at least one database record recorded in memory; and

(d) using the CPU to display the logo image data on the display  
25 member when it is determined that at least one of the received Caller ID data and other caller identifying data received in the wireless signal matches stored caller identifying data of a potential communicant.

5 390. For use in a wireless communication system and personal communication device including a wireless receiver unit, a display member, a CPU, a memory, and an input accessory, a method for displaying a video image comprising the steps of:

10 (a) storing video image data and caller identifying data of a potential communicant in a database record in memory using an input accessory;

(b) using the wireless receiver unit to receive a wireless paging  
15 signal containing at least one of Caller ID data originating from the public switched telephone network and other caller identifying data related to an actual communicant;

(c) using the CPU to determine whether at least one of the  
20 Caller ID data and other caller identifying data received in a wireless signal matches caller identifying data of a potential communicant stored in at least one database record recorded in memory; and

(d) using the CPU to display the video image data on the display  
25 member when it is determined that at least one of the Caller ID data and other caller identifying data received in a wireless signal matches stored caller identifying data of a potential communicant.

5 391. For use in a wireless communication system and personal communication device including a wireless paging receiver unit, a display member, a CPU, a memory, and an input accessory, a method for displaying an image comprising the steps of:

10 (a) storing image data and caller identifying data of a potential communicant in a database record in memory using an input accessory;

(b) using the wireless paging receiver unit to receive a wireless paging signal containing at least one of Caller ID data originating from  
15 the public switched telephone network and other caller identifying data that is related to a calling party;

(c) using the CPU to determine whether at least one of Caller ID data and other caller identifying data received in the wireless paging  
20 signal matches caller identifying data of a potential communicant stored in at least one database record recorded in memory; and

(d) using the CPU to display the image data on the display member when it is determined that at least one of the Caller ID data and  
25 other caller identifying data that is related to a calling party matches stored caller identifying data of a potential communicant.

5 392. A method as in Claim 391 where the memory is Random Access Memory.

393. A method as in Claim 391 where the CPU is a microprocessor.

10 394. A method as in Claim 391 where the image is at least one of the following:

- (a) iconographic data;
- (b) logo data;
- (c) data representative of the calling party;
- 15 (d) photo image;
- (e) video image data; and
- (f) other graphic image data.

5 395. For use in a wireless communication system and personal communication device including a wireless paging receiver unit, a sound output device, a CPU, a memory, and a sound input accessory, a method for generating a sound comprising the steps of:

10 (a) storing sound data and caller identifying data of a potential communicant in a database record in memory using an input accessory;

(b) using the wireless paging receiver unit to receive a wireless paging signal containing at least one caller identifying data that is related  
15 to a calling party;

(c) using the CPU to determine whether caller identifying data received in the wireless paging signal matches caller identifying data stored in at least one database record recorded in memory; and  
20

(d) using the sound output device to generate a sound using a sound output device when it is determined that caller identifying data that is related to a calling party matches stored caller identifying data of a potential communicant.

25

5 396. A method as in Claim 395 where the memory is Random Access Memory.

397. A method as in Claim 395 where the CPU is a microprocessor.

10 398. A method as in Claim 395 where the sound data is at least one of the following:

- a) .WAV file;
- b) personal computer file;
- 15 c) recorded sound;
- d) uploaded sound; and
- e) pre-stored voice signal.



5 399. A method for displaying an image in a wireless personal  
communicator, comprising the steps of:

10 (a) pre-storing an image representative of at least one potential  
communicant in a memory contained in the wireless personal  
communicator;

(b) pre-storing caller identifying data associated with an image  
representative of at least one potential communicant in a memory  
contained in the wireless personal communicator;

15

(c) receiving a wireless signal at the wireless personal  
communicator containing caller identifying data related to a calling  
party;

20

(d) comparing the received caller identifying data related to a  
calling party with the pre-stored caller identifying data to determine if  
there is a match between the received caller identifying data and the  
pre-stored caller identifying data; and

25

(e) displaying a pre-stored image representative of a calling  
party on a display in the wireless personal communicator when it is  
determined that the received caller identifying data related to a calling  
party matches the pre-stored caller identifying data.

30

5     400. A method as in Claim 399 where the wireless personal communicator may display or annunciate information to the owner of the wireless personal communicator indicating that the calling party is not listed within the database when the received caller identifying data fails to produce a match with the pre-stored caller identifying data.

10

401. A method as in Claim 400 further comprising a prompt to the owner of the wireless personal communication device to utilize a keypad or alternative input interface to enter data into memory that corresponds to the calling party.

15     402. A method as in Claim 399 where the caller identifying data of a calling party is displayed along with the pre-stored image representative of a calling party.

20     403. A method as in Claim 399 where at least one of (a) received caller identifying data of a caller, (b) a flashing iconographic indicator, (c) the duration of a message received, (d) time information, and (e) pre-stored caller identifying data is displayed along with the pre-stored image representative of a calling party.

25     404. A method as in Claim 399 where the display is a touch screen adapted to accept at least one of (a) programming of soft-keys for various functions, (b) scrolling, (c) data entry, (d) message selection, (e) selection of icons, (f) selection of menu buttons, and (g) other items by the owner of the wireless personal communicator.

30

405. A method as in Claim 399 where the display includes a graphical user interface.

5 406. A method for displaying an image in a wireless personal  
communicator, comprising the steps of:

(a) pre-storing an image representative of at least one potential  
communicant in a memory contained in the wireless personal  
10 communicator;

(b) pre-storing alpha-numeric data associated with an image of  
at least one potential communicant in a memory contained in the  
wireless personal communicator;

15

(c) receiving a wireless signal at the wireless personal  
communicator containing caller identifying data related to a calling  
party;

20

(d) comparing the received caller identifying data related to a  
calling party with the pre-stored alpha-numeric data to determine if  
there is a match between the received caller identifying data and the  
pre-stored alpha-numeric data; and

25

(e) displaying a pre-stored image representative of a calling  
party on a display in the wireless personal communicator when it is  
determined that the received caller identifying data matches the pre-  
stored alpha-numeric data.

5     407. A method as in Claim 406 where the wireless personal communicator may display or annunciate information to the owner of the wireless personal communicator indicating that the calling party is not listed within the database when the received caller identifying data fails to produce a match with the pre-stored alpha-numeric data.

10

408. A method as in Claim 407 further comprising a prompt to the owner of the wireless personal communication device to utilize a keypad or alternative input interface to enter data into memory that corresponds to the calling party.

15     409. A method as in Claim 406 where received caller identifying data is displayed along with the pre-stored image representative of a calling party.

20     410. A method as in Claim 406 where at least one of (a) received Caller ID data, (b) a flashing iconographic indicator, (c) the duration of a message received, (d) time information, and (e) pre-stored alpha-numeric data is displayed along with the pre-stored image representative of a calling party.

25     411. A method as in Claim 406 where the display is a touch screen adapted to accept at least one of (a) programming of soft-keys for various functions, (b) scrolling, (c) data entry, (d) message selection, (e) selection of icons, (f) selection of menu buttons, and (g) other items by the owner of the wireless personal communicator.

30     412. A method as in Claim 406 where the display includes a graphical user interface.

5     413. A method as in Claim 406 where the pre-stored image is at least one  
of the following:

- (a) iconographic data;
- (b) logo data;
- 10     (c) data representative of the calling party;
- (d) photo image;
- (e) video image data; and
- (f) other graphic image data.

15     414. A method as in Claim 399 where the pre-stored image is at least one  
of the following:

- (a) iconographic data;
- (b) logo data;
- (c) data representative of the calling party;
- 20     (d) photo image;
- (e) video image data; and
- (f) other graphic image data.

5 415. For use in a wireless communication system and personal communication device including a wireless receiver unit, a display member, a CPU, a memory, and an input accessory, a method for displaying a photo image comprising the steps of:

10 (a) storing photo image data and caller identifying data of a potential communicant in a database record in memory using an input accessory;

(b) using the wireless receiver unit to receive a wireless signal  
15 containing caller identifying data;

(c) using the CPU to determine whether the caller identifying data received in the wireless signal matches caller identifying data of a potential communicant stored in at least one database record recorded in  
20 memory; and

(d) using the CPU to display the photo image data on the display member when it is determined that the incoming caller identifying data matches stored caller identifying data of a potential communicant.

5 416. For use in a wireless communication system and personal communication device including a wireless receiver unit, a display member, a CPU, a memory, and an input accessory, a method for displaying a logo comprising the steps of:

10 (a) storing logo image data and related data associated with a potential communicant in a database record in memory using an input accessory;

(b) using the wireless receiver unit to receive a wireless signal  
15 containing data related to an actual communicant;

(c) using the CPU to determine whether the data received in the wireless signal matches related data of a potential communicant stored in at least one database record recorded in memory; and

20

(d) using the CPU to display the logo image data on the display member when it is determined that the data related to an actual communicant received in a wireless signal matches stored data related to a potential communicant.

25

5 417. For use in a wireless communication system and personal communication device including a wireless paging receiver unit, a display member, a CPU, a memory, and an input accessory, a method for displaying a video image comprising the steps of:

10 (a) storing video image data and caller identifying data of a potential communicant in a database record in memory using an input accessory;

(b) using the wireless paging receiver unit to receive a wireless  
15 paging signal containing caller identifying data;

(c) using the CPU to determine whether the caller identifying data received in the wireless signal matches caller identifying data of a potential communicant stored in at least one database record recorded in  
20 memory;

(d) using the CPU to display the video image data on the display member when it is determined that the incoming caller identifying data matches stored caller identifying data of a potential communicant.

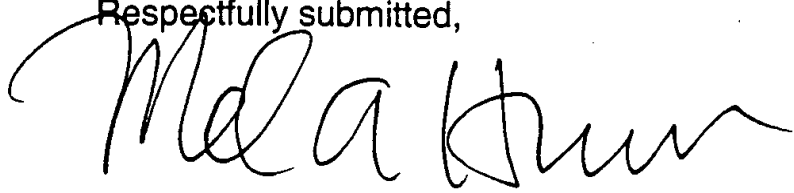


## **ABSTRACT**

A method for use in a wireless communication device, cellular telephone, pager or personal digital assistant (PDA) is shown in which Caller ID data originating from the public switched telephone network or other caller identifying data is received in a wireless paging signal and compared to contact data stored in memory that is associated with actual or potential communicants. Contact data may be entered into a database in the wireless communication device using a detachable input interface, a touch display, a personal computer or a wireless receiver. The data may include name, telephone number, fax number, address, email, image or sound data. When a match is determined between the Caller ID or other caller identifying data contained in a wireless paging signal and at least one database record recorded in memory, images or other information associated with the communicant are displayed or annunciated at the wireless device.

Enclosed is a check in the amount of \$1348.00 (\$375.00 filing fee; 11 additional claims \$462.00; 34 claims in excess of twenty \$306.00; and \$205.00 for the petition fee). If any additional fees are required, please charge to Deposit Account No. 50-1060.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Melvin A. Hunn", written over a horizontal line.

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